FORM 10-Q

Quarterly report pursuant to sections 13 or 15(d)

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FILER

Byrna Technologies Inc.

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SIC: **3690** Miscellaneous electrical machinery, equipment & supplies

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UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

FORM 10-Q

☒ **QUARTERLY REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934**

For the quarterly period ended February 28, 2025

☐ **TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934**

For the transition period from _________ to _________

Commission File No. 333-132456

Byrna Technologies Inc.

(Exact name of registrant as specified in its charter)

Delaware	**71-1050654**
(State or other jurisdiction of incorporation or organization)	(I.R.S. Employer Identification No.)

100 Burtt Road, Suite 115
Andover, MA 01810
(Address of Principal Executive Offices, including zip code)

(978) 868-5011
(Registrant's telephone number, including area code)

Securities registered pursuant to Section 12(b) of the Act:

Title of each class	Trading Symbol(s)	Name of each exchange on which registered
Common stock, $0.001, par value per share	**BYRN**	**Nasdaq Capital Market**

Securities registered pursuant to Section 12(g) of the Act: None.

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes ☒ No ☐

Indicate by check mark whether the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T (§232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit such files). Yes ☒ No ☐

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, a smaller reporting company, or an emerging growth company. See the definitions of "large accelerated filer," "accelerated filer," "smaller reporting company," and "emerging growth company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer ☐	Accelerated filer ☐
Non-accelerated filer ☒	Smaller reporting company ☒
	Emerging growth company ☐

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act. ☐

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act): Yes ☐ No ☒

As of April 10, 2025, the Company had 22,667,235 outstanding shares of common stock.

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PART 1 – FINANCIAL INFORMATION

ITEM 1. Condensed Consolidated Financial Statements

BYRNA TECHNOLOGIES INC.
Condensed Consolidated Balance Sheets
(Amounts in thousands, except share and per share data)

	February 28, 2025 Unaudited	November 30, 2024
ASSETS		
CURRENT ASSETS		
Cash and cash equivalents	$ 7,669	$ 16,829
Accounts receivable, net	2,900	2,630
Inventory, net	23,182	19,972
Prepaid expenses and other current assets	3,441	2,623
Marketable debt securities	11,620	8,904
Total current assets	48,812	50,958
LONG TERM ASSETS		
Deposits for equipment	3,669	2,665
Right-of-use-asset, net	2,218	2,452
Property and equipment, net	4,651	3,408
Intangible assets, net	3,273	3,337
Goodwill	2,258	2,258
Deferred tax asset	5,468	5,837
Other assets	689	1,007
TOTAL ASSETS	$ 71,038	$ 71,922
LIABILITIES		
CURRENT LIABILITIES		
Accounts payable and accrued liabilities	$ 11,182	$ 13,108
Operating lease liabilities, current	572	539
Deferred revenue, current	483	1,791
Total current liabilities	12,237	15,438
LONG TERM LIABILITIES		
Deferred revenue, non-current	11	17
Operating lease liabilities, non-current	1,963	2,098
Total liabilities	14,211	17,553
COMMITMENTS AND CONTINGENCIES (NOTE 21)		
STOCKHOLDERS' EQUITY		
Preferred stock, $0.001 par value, 5,000,000 shares authorized, no shares issued	—	—
Common stock, $0.001 par value, 50,000,000 shares authorized. 25,182,452 shares issued and 22,667,235 shares outstanding as of February 28, 2025, and 25,010,976 shares issued and 22,495,759 outstanding as of November 30, 2024	25	25
Additional paid-in capital	133,895	133,029
Treasury stock (2,515,217 shares purchased as of February 25, 2025 and November 30, 2024, respectively)	(21,253)	(21,253)
Accumulated deficit	(55,121)	(56,783)
Accumulated other comprehensive loss	(719)	(649)
Total Stockholders' Equity	56,827	54,369
TOTAL LIABILITIES AND STOCKHOLDERS' EQUITY	$ 71,038	$ 71,922

See accompanying notes to the unaudited condensed consolidated financial statements.

BYRNA TECHNOLOGIES INC.
Condensed Consolidated Statements of Operations and Comprehensive Income (Loss)
(Amounts in thousands except share and per share data)
(Unaudited)

	For the Three Months Ended	
	February 28, 2025	February 29, 2024
Net revenue	$ 26,190	$ 16,654
Cost of goods sold	10,266	7,015
Gross profit	15,924	9,639
Operating expenses	14,228	9,803
INCOME (LOSS) FROM OPERATIONS	1,696	(164)
OTHER INCOME (EXPENSE)		
Foreign currency transaction loss	(80)	(58)
Interest income	186	280
Loss from joint venture	-	(42)
Other income	-	1
INCOME BEFORE INCOME TAXES	1,802	17
Income tax provision	(140)	-
NET INCOME	1,662	17
Foreign exchange translation adjustment	(130)	(115)
Unrealized gain on marketable debt securities	60	-
COMPREHENSIVE INCOME (LOSS)	$ 1,592	$ (98)
Basic net income per share	$ 0.07	$ 0.00
Diluted net income per share	$ 0.07	$ 0.00
Weighted-average number of common shares outstanding - basic	22,587,099	22,035,249
Weighted-average number of common shares outstanding - diluted	24,098,635	22,838,827

See accompanying notes to the unaudited condensed consolidated financial statements.

BYRNA TECHNOLOGIES INC.
Condensed Consolidated Statements of Cash Flows
(Amounts in thousands)
(Unaudited)

	For the Three Months Ended	
	February 28, 2025	**February 29, 2024**
CASH FLOWS FROM OPERATING ACTIVITIES		
Net income for the period	$ 1,662	$ 17
Adjustments to reconcile net income to net cash provided by (used in) operating activities:		
Stock-based compensation expense	840	938
Depreciation and amortization	440	338
Amortization of debt issuance costs	—	4
Operating lease costs	234	117
Loss from joint venture	—	42
Deferred tax (benefit) provision	369	—
Changes in assets and liabilities:		
Accounts receivable	(270)	1,409
Deferred revenue	(1,315)	731
Inventory	(3,210)	1,762
Prepaid expenses and other current assets	(460)	(263)
Other assets	(40)	—
Accounts payable and accrued liabilities	(1,925)	(1,027)
Operating lease liabilities	(102)	(126)
NET CASH PROVIDED BY (USED IN) OPERATING ACTIVITIES	(3,777)	3,942
CASH FLOWS FROM INVESTING ACTIVITIES		
Purchases of property and equipment	(2,642)	(171)
Purchases of marketable debt securities	(2,656)	
NET CASH USED IN INVESTING ACTIVITIES	(5,298)	(171)
CASH FLOWS FROM FINANCING ACTIVITIES		
Proceeds from stock option exercises	93	10
Payment of taxes withheld on issuance of restricted stock units	(67)	—
NET CASH PROVIDED BY FINANCING ACTIVITIES	26	10
Effects of foreign currency exchange rate changes	(111)	(103)
NET INCREASE (DECREASE) IN CASH AND CASH EQUIVALENTS FOR THE PERIOD	(9,160)	3,678
CASH AND CASH EQUIVALENTS, BEGINNING OF PERIOD	16,829	20,498
CASH AND CASH EQUIVALENTS, END OF PERIOD	$ 7,669	$ 24,176

See accompanying notes to the unaudited condensed consolidated financial statements.

BYRNA TECHNOLOGIES INC.
Condensed Consolidated Statements of Changes in Stockholders' Equity
For the Three Months Ended February 28, 2025 and February 29, 2024
(Amounts in thousands except share numbers)
(Unaudited)

	Common Stock		Additional Paid-in Capital	Treasury Stock		Accumulated Deficit	Accumulated Other Comprehensive Loss	Total
	Shares	$		Shares	$			
Balance, November 30, 2024	**25,010,976**	**$ 25**	**$ 133,029**	**(2,515,217)**	**$ (21,253)**	**$ (56,783)**	**$ (649)**	**$ 54,369**
Stock-based compensation	—	—	840	—	—	—	—	**840**
Issuance of common stock pursuant to exercise of stock options	74,551	—	93	—	—	—	—	**93**
Issuance of common stock pursuant to vesting of restricted stock units	96,925	—	(67)	—	—	—	—	**(67)**
Net income	—	—	—	—	—	1,662	—	**1,662**
Unrealized gain on marketable securities	—	—	—	—	—	—	60	**60**
Foreign currency translation	—	—	—	—	—	—	(130)	**(130)**
Balance, February 28, 2025	**25,182,452**	**$ 25**	**$ 133,895**	**(2,515,217)**	**$ (21,253)**	**$ (55,121)**	**$ (719)**	**$ 56,827**
Balance, November 30, 2023	**24,168,014**	**$ 24**	**$ 130,426**	**(2,165,987)**	**$ (17,500)**	**$ (69,575)**	**$ (1,056)**	**$ 42,319**
Stock-based compensation	—	—	938	—	—	—	—	**938**
Issuance of common stock pursuant to exercise of stock options	167,967	—	10	—	—	—	—	**10**
Issuance of common stock pursuant to vesting of restricted stock units	39,773	—	—	—	—	—	—	—
Net income	—	—	—	—	—	17	—	**17**
Foreign currency translation	—	—	—	—	—	—	(115)	**(115)**
Balance, February 29, 2024	**24,375,754**	**$ 24**	**$ 131,374**	**(2,165,987)**	**$ (17,500)**	**$ (69,558)**	**$ (1,171)**	**$ 43,169**

See accompanying notes to the unaudited condensed consolidated financial statements.

1. NATURE OF OPERATIONS

Byrna Technologies Inc. (the "Company" or "Byrna") is a technology company, specializing in next generation alternatives to traditional firearms without the risk of taking a life. The Company's launchers can be used for self-defense and personal security by consumers in all 50 states without a firearms license, subject to local regulations. The Company also sells accessories, pepper sprays, and other personal safety tools. Most of the sales are to consumers in the United States via the Company's e-commerce site, its Amazon storefront, its four Company owned brick and mortar locations, and through retailers, including big box stores. The Company's products also may be sold to private security and public security officers. Since 2020, the Company has not manufactured or sold any products to or for use by the military. The Company operates two manufacturing facilities, a 30,000 square foot facility located in Fort Wayne, Indiana and a 20,000 square foot manufacturing facility located in Pretoria, South Africa.

2. OPERATIONS AND MANAGEMENT PLANS

From inception to February 28, 2025, the Company has incurred an accumulated deficit of approximately $55.1 million. The Company has funded operations through the issuance of the Company's common stock par value $0.001 per share ("Common Stock") until reaching profitability. The Company generated net income of $1.7 million for the three months ended February 28, 2025. The Company's future success is dependent upon its ability to continue to raise sufficient capital or generate adequate revenues, to cover its ongoing operating expenses, and also to continue to develop and be able to profitably market its products.

3. BASIS OF PRESENTATION

These unaudited condensed consolidated financial statements for the three months ended February 28, 2025 and February 29, 2024 include the accounts of the Company and its subsidiaries. These unaudited condensed consolidated financial statements have been prepared in accordance with the instructions to Form 10-Q and therefore do not include all information and footnotes necessary for a fair presentation of financial position, results of operations and cash flows in conformity with generally accepted accounting principles in the United States of America ("GAAP"); however, such information reflects all adjustments consisting solely of normal recurring adjustments, which are, in the opinion of management, necessary for a fair presentation of the results for the interim periods. All significant intercompany accounts and transactions have been eliminated in consolidation.

The unaudited condensed consolidated financial statements should be read in conjunction with the consolidated financial statements and notes thereto together with management's discussion and analysis of financial condition and results of operations contained in the Company's annual report on Form 10-K for the year ended November 30, 2024. In the opinion of management, the accompanying unaudited condensed consolidated financial statements, the results of its operations for the three months ended February 28, 2025 and February 29, 2024, and its cash flows for the three months ended February 28, 2025 and February 29, 2024 are not necessarily indicative of results to be expected for the full year.

4. USE OF ESTIMATES

The preparation of financial statements in conformity with GAAP requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities at the date of the financial statements and the reported amounts of revenue and expenses during the reporting period. Future events and their effects cannot be determined with certainty. Therefore, the determination of estimates requires the exercise of judgment. Actual results could differ from those estimates, and any such differences may be material to our condensed consolidated financial statements. Significant estimates include assumptions about stock-based compensation expense, valuation for deferred tax assets, incremental borrowing rate on leases, useful life of long-lived assets, inventory reserves, and allowance for credit losses.

5. RECENT ACCOUNTING GUIDANCE

The Company considers the applicability and impact of all Accounting Standards Updates ("ASUs"). ASUs not discussed below were assessed and determined to be either not applicable or are expected to have minimal impact on the financial statements.

Accounting Pronouncements Issued but Not Adopted

The FASB also issued ASU 2023-07: Segment Reporting Topic 280 - Improvements to Reportable Segment Disclosures. This update requires expanded annual and interim disclosures for significant segment expenses that are regularly provided to the chief operating decision maker and included within each reported measure of segment profit or loss. This update will be effective for fiscal years beginning after December 15, 2023, and for interim periods within fiscal years beginning after December 15, 2024, and is to be applied retrospectively to all periods presented in the financial statements. The Company believes the adoption of ASU 2023-07 will not have a material impact on the consolidated financial statements.

In 2023, the FASB issued ASU 2023-09, Income Taxes (Topic 740): Improvements to Income Tax Disclosures. This update standardizes categories for the effective tax rate reconciliation, requires disaggregation of income taxes and additional income tax-related disclosures. This update is required to be effective for the Company for fiscal years beginning after December 15, 2024. The Company is evaluating the effect that ASU 2023-09 will have on its financial statements and disclosures.

In March 2024, the Financial Accounting Standards Board (FASB) issued ASU 2024-03, Income Statement—Reporting Comprehensive Income—Expense Disaggregation Disclosures (Subtopic 220-40): Disaggregation of Income Statement Expenses (as clarified by ASU 2025-01). This guidance focuses on the disaggregation of income statement expenses. This update requires entities to provide more detailed disclosures about the components of significant expense categories, enhancing the transparency and decision-usefulness of financial statements. The objective is to provide users with a clearer understanding of the nature and variability of expenses reported in the income statement. The standard is effective for annual periods of fiscal years beginning after December 15, 2026, and interim periods in years beginning after December 15, 2027 with early adoption permitted. The Company is currently assessing the impact of ASU 2024-03 on our financial statement disclosures. While we anticipate that the adoption of this standard will require additional disclosures, we do not expect it to have a material impact on our financial position or results of operations.

6. GOODWILL

Goodwill resulting from a business combination is not amortized but is reviewed for impairment annually or more frequently when events or changes in circumstances occur that would more likely than not reduce the fair value of a reporting unit below its carrying amount. The Company has the option to perform a qualitative assessment over goodwill when events occur or circumstances change that would, more likely than not, reduce the fair value of a reporting unit or to bypass the qualitative assessment in any period and proceed directly to performing the quantitative goodwill impairment test. If the Company concludes, based on the qualitative assessment, that the carrying value of a reporting unit would more likely than not exceed its fair value, a quantitative assessment is performed which is based upon a comparison of the reporting unit's fair value to its carrying value. The fair values used in this evaluation are estimated by the Company based upon future discounted cash flow projections for the reporting unit. An impairment charge is recognized for any amount by which the carrying amount of goodwill exceeds its fair value.

The Company assesses goodwill for impairment at the reporting unit level, which is defined as an operating segment or one level below an operating segment, referred to as a component. The Company's operations constitute a single reporting unit and goodwill is assessed for impairment at the Company level as a whole.

7. MARKETABLE DEBT SECURITIES

Marketable debt securities consist of U.S. Treasury Securities and Corporate Bonds. Management determines the appropriate classification of these securities at the time they are acquired and evaluates the appropriateness of such classifications at each balance sheet date. The Company classifies its investments as available-for-sale pursuant to ASC 320, Investments—Debt and Equity Securities. Investments are recorded at fair value, with unrealized gains and losses included as a component of accumulated other comprehensive income (loss) in stockholders' equity and a component of total comprehensive loss in the consolidated statements of operations and comprehensive income (loss), until realized. Realized gains and losses are included in investment income on a specific-identification basis. The Company estimates expected credit losses for investments when unrealized losses exist. Unrealized losses that are credit related are recognized in the Company's Consolidated Statements of Operations and Comprehensive Income (Loss) and unrealized losses that are not credit related are recognized in accumulated other comprehensive income (loss). There were no realized gains or losses on investments for the months ended February 28, 2025. For the three months ended February 28, 2025, there were net unrealized gains on marketable debt securities of $0.1 million.

The following table summarizes our marketable securities and available-for-sale investments as of February 28, 2025 (in thousands):

	Cost	Unrealized Gains	Unrealized Losses	Fair Value	Investments
Corporate bonds	$ 3,686	$ 35	$ -	$ 3,721	$ 3,721
U.S. Treasury securities	7,836	63	-	7,899	7,899
Total	$ 11,522	$ 98	$ -	$ 11,620	$ 11,620

	February 28, 2025	
	Cost	Fair Value
Due within one year or less	$ 6,890	$ 6,964
Due after one year through five years	4,632	4,656
	$ 11,522	$ 11,620

The following table summarizes our marketable securities and available-for-sale investments as of November 30, 2024 (in thousands):

	Amortized Cost	Unrealized Gains	Unrealized Losses	Fair Value	Investments
Corporate bonds	$ 2,950	$ 18	$ -	$ 2,968	$ 2,968
U.S. Treasury securities	5,889	47	-	5,936	5,936
Total	$ 8,839	$ 65	$ -	$ 8,904	$ 8,904

Fair Value Measurement

The Company follows a consistent framework for measuring fair value and expands disclosure for each major asset and liability category measured at fair value on either a recurring or nonrecurring basis. Fair value is an exit price, representing the amount that would be received to sell an asset or paid to settle a liability in an orderly transaction between market participants. As such, fair value is a market-based measurement that should be determined based on assumptions that market participants would use in pricing an asset or liability. As a basis for considering such assumptions, a three-tier fair value hierarchy has been established, which prioritizes the inputs used in measuring fair value as follows:

● Level 1- Inputs are unadjusted, quoted prices in active markets for identical assets or liabilities at the measurement date.
● Level 2- Inputs (other than quoted prices included in Level 1) are either directly or indirectly observable for the asset or liability through correlation with market data at the measurement date and for the duration of the instrument's anticipated life.
● Level 3- Inputs reflect management's best estimate of what market participants would use in pricing the asset or liability at the measurement date. Consideration is given to the risk inherent in the valuation technique and the risk inherent in the inputs to the model.

The following table summarizes the fair value of marketable debt securities by level within the fair value hierarchy as of February 28, 2025:

			February 28, 2025		
			Fair Value Measurement Based on		
	Cost	Fair Value	Quoted Prices in Active Market (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)
Cash equivalents	$ 4,334	$ 4,334	$ 4,334	$ -	$ -
Corporate bonds	3,686	3,721	-	3,721	-
U.S. Treasury securities	7,836	7,899	-	7,899	-
Total	$ 15,856	$ 15,954	$ 4,334	$ 11,620	$ -

The following table summarizes the fair value of marketable debt securities by level within the fair value hierarchy as of November 30, 2024:

			November 30, 2024		
			Fair Value Measurement Based on		
	Cost	Fair Value	Quoted Prices in Active Market (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)
Cash equivalents	$ 11,304	$ 11,304	$ 11,304	$ -	$ -
Corporate bonds	2,950	2,968	-	2,968	-
U.S. Treasury securities	5,889	5,936	-	5,936	-
Total	$ 20,143	$ 20,208	$ 11,304	$ 8,904	$ -

8. INVESTMENT IN JOINT VENTURE

In January 2023, the Company acquired a 51% ownership interest in Byrna LATAM, a corporate joint venture formed to expand the Company's operations and presence in South American markets, for $0.5 million. The Company accounted for the investment in the joint venture using the equity method since the Company did not have voting control of Byrna LATAM. Additionally, the Company did not have substantive participating rights that would result in the Company having control of Byrna LATAM.

On August 19, 2024, the Company sold its 51% ownership interest to Fusady S.A. for $1 (the "LATAM Share Purchase Agreement") and entered into an exclusive distribution, manufacturing and licensing agreement with Byrna LATAM (the "LATAM Licensing Agreement"). This LATAM Licensing Agreement allows Byrna LATAM to exclusively manufacture the Byrna SD launcher and ammunition in certain South American countries and requires Byrna LATAM to pay the Company a royalty on Byrna products manufactured. The amount of royalty earned during the three months ended February 28, 2025 and outstanding as of February 28, 2025 and November 30, 2024, was not material. The LATAM Share Purchase Agreement also includes put and call rights based on defined triggers which expire on August 19, 2029.

In January 2023, the Company loaned $1.6 million to Byrna LATAM. The loan bore interest at a rate equal to Secured Overnight Financing Rate ("SOFR") plus 3.0%. Interest income related to the loan receivable was less than $0.1 million and $0.1 million for the three months ended February 28, 2025 and February 29, 2024 respectively. The interest income is included in interest income in the Condensed Consolidated Statements of Operations and Comprehensive Income (Loss). On August 19, 2024, the loan was amended to fix the loan amount at $1,431,112 plus accrued interest of $203,373 for a total loan amount of $1,634,485. The loan bears an annual rate of interest of 5% per annum. The loan will be repaid in twelve equal installments starting on August 19, 2025. The loan receivable was recorded as loan to joint venture in the Consolidated Balance Sheets until the consummation of the LATAM Share Purchase Agreement at which time the Company recorded the current portion of the loan as part of Prepaid expenses and other current assets and the non-current portion is recorded as part of the Other assets on the Condensed Consolidated Balance Sheet as of February 28, 2025 and November 30, 2024.

9. ADVERTISING COSTS

Advertising costs are expensed as incurred and reported in Operating Expenses in the Condensed Consolidated Statements of Operations and Comprehensive Income (Loss), and include costs of advertising, tradeshows, and other activities designed to enhance demand for the Company's products. The Company recorded advertising costs of approximately $4.0 million for the three months ended February 28, 2025, and $2.8 million for the three months ended February 29, 2024.

10. REVENUE, DEFERRED REVENUE AND ACCOUNTS RECEIVABLE

The Company generates most of its revenue through e-commerce portals to consumers, as well as wholesale distribution of its products and accessories to dealers/distributors and retail stores. The Company also sells products to large end-users such as private security companies and law enforcement agencies. The Company does not manufacture or sell any products regulated by the Bureau of Alcohol, Tobacco, Firearms and Explosives or for military applications. Revenue is recognized upon transfer of control of goods to the customer, which generally occurs when title to goods is passed and risk of loss transfers to the customer. Depending on the contract terms, transfer of control is upon shipment of goods to or upon the customer's pick-up of the goods. Payment terms to customers other than e-commerce customers are generally 30-60 days for established customers, whereas new wholesale and large end-user customers have prepaid terms for their first order. The amount of revenue recognized is net of returns and discounts that the Company offers to its customers. Products purchased include a standard warranty that cannot be purchased separately. This allows customers to return defective products for repair or replacement within one year of sale. The Company also sells an extended warranty for the same terms over three years. The extended 3-year warranty can be purchased separately from the product and is classified as a service warranty. Since a warranty for the first year after sale is included and non-separable from all launcher purchases, the Company considers this extended warranty to represent a service obligation during the second and third years after sale. Therefore, the Company accumulates billings of these transactions on the balance sheet as deferred revenue, to be recognized on a straight-line basis during the second and third year after sale. The Company recognizes an estimated reserve based on its analysis of historical experience, and an evaluation of current market conditions.

The Company offers e-commerce customers a 14-day money-back guarantee, which allows for a full refund of the purchase price, excluding shipping charges, within 14 days from the date of delivery. The right of return creates a variable component to the transaction price and needs to be considered for any possible constraints. The Company estimates returns using the expected value method, as there will likely be a range of potential return amounts. The Company's reserve for returns under the 14-day money back guarantee for the three months ended February 28, 2025 and February 29, 2024 was immaterial.

The Company does not offer a money-back guarantee to dealers or retailers. These customers may request a return or credit for unforeseen reasons or may have agreed discounts or allowances to be netted from amounts invoiced. Accordingly, the Company reserves for returns, discounts and allowances based on past performance and on agreement terms and reports revenue net of the estimated reserve. The Company's reserve for returns, discounts, and allowances for the three months ended February 28, 2025 and February 29, 2024 was immaterial.

The Company accounts for shipping and handling activities related to contracts with customers as costs to fulfill the promise to transfer the associated products. Shipping and handling costs associated with the distribution of finished products to customers, are recorded in operating expenses in the accompanying Condensed Consolidated Statements of Operations and Comprehensive Income (Loss) and are recognized when the product is shipped to the customer.

Included as cost of goods sold are costs associated with the production and procurement of products, such as labor and overhead, inbound freight costs, manufacturing depreciation, purchasing and receiving costs, and inspection costs.

Accounts Receivable

The Company records accounts receivables due from dealers/distributers, large end-users such as retail stores, security companies, and law enforcement agencies. Accounts receivable, net of allowances, was $2.9 million, $2.6 million and $2.9 million as of February 28, 2025, November 30, 2024, and November 30, 2023, respectively.

Allowance for Expected Credit Losses

The Company estimates the balance of its allowance for expected credit losses. In determining the amount of the allowance for credit losses, the Company considers historical collectability based on past due status and makes judgments about the creditworthiness of customers based on ongoing credit evaluations. The Company also considers customer-specific information, current market conditions, and reasonable and supportable forecasts of future economic conditions. Account balances are written off against the allowance when it is determined that the receivable will not be recovered. As of February 28, 2025, November 30, 2024, and November 30, 2023, the total allowance for credit losses recorded was less than $0.1 million, $0.3 million and $0.6 million, respectively.

Deferred Revenue

The balance of deferred revenue, which relate to advance payments, unfulfilled e-commerce orders and amounts to be recognized under extended 3-year service warranty, as of February 28, 2025 and February 29, 2024 was $0.5 million and $2.7 million, respectively, and $1.8 million and $1.9 million as of November 30, 2024 and 2023, respectively.

	February 28, 2025	November 30, 2024
Deferred revenue balance, beginning of period	$ 1,808	$ 1,936
Net additions to deferred revenue during the period	16,155	66,120
Reductions in deferred revenue for revenue recognized during the period	(17,469)	(66,248)
Deferred revenue balance, end of period	494	1,808
Less current portion	483	1,791
Deferred revenue, non-current	$ 11	$ 17

Revenue Disaggregation

The following table presents disaggregation of the Company's revenue by distribution channel (in thousands):

	Three Months Ended	
Distribution channel	**February 28, 2025**	**February 29, 2024**
Wholesale (dealer/distributors)	$ 6,029	$ 3,553
E-commerce (direct to consumers)	20,161	13,101
Total	$ 26,190	$ 16,654

11. INVENTORY

The following table summarizes inventory (in thousands):

	February 28, 2025	November 30, 2024
Raw materials	$ 10,872	$ 10,307
Work in process	3,575	3,433
Finished goods	8,735	6,232
Total	$ 23,182	$ 19,972

12. PROPERTY AND EQUIPMENT

The following table summarizes cost and accumulated depreciation (in thousands):

	February 28, 2025	November 30, 2024
Computer equipment and software	$ 804	$ 791
Furniture and fixtures	340	276
Leasehold improvements	1,473	1,048
Machinery and equipment	5,201	4,095
	7,818	6,210
Less: accumulated depreciation	3,167	2,802
Total	$ 4,651	$ 3,408

The Company recognized $0.4 million and $0.2 million in depreciation expense during the three months ended February 28, 2025 and February 29, 2024, respectively. Depreciation expense is presented in the operating expenses and within cost of goods sold in the accompanying Condensed Consolidated Statements of Operations and Comprehensive Income (Loss).

At February 28, 2025 and November 30, 2024, the Company had deposits of $3.7 million and $2.7 million, respectively, with vendors primarily for supply of machinery (molds) and equipment where the vendors have not completed the supply of these assets and is presented as Deposits for equipment in the Condensed Consolidated Balance Sheets.

13. INTANGIBLE ASSETS

The components of intangible assets were as follows (in thousands):

	Estimated Useful Lives in Years	Balance at February 28, 2025 Gross Carrying Amount	Accumulated Amortization	Net Carrying Amount	Balance at November 30, 2024 Gross Carrying Amount	Accumulated Amortization	Net Carrying Amount
Patents	10-17	$ 3,955	$ (1,042)	$ 2,913	$ 3,955	$ (978)	$ 2,977
Trademarks	Indefinite	360	—	360	360	—	360
Customer List	2	70	(70)	—	70	(70)	—
Total		**$ 4,385**	**$ (1,112)**	**$ 3,273**	**$ 4,385**	**$ (1,048)**	**$ 3,337**

The trademarks have an indefinite life and are assessed annually for impairment. All other intangible assets are finite-lived.

Intangible assets amortization expenses are recorded within operating expenses in the accompanying Condensed Consolidated Statements of Operations and Comprehensive Income (Loss). Total intangible assets amortization expense for the three months ended February 28, 2025 and February 29, 2024 were $0.1 million and $0.1 million, respectively.

Estimated future amortization expense related to intangible assets as of February 28, 2025 are as follows (in thousands):

Fiscal Year Ending November 30,	
2025 (remaining nine months)	$ 192
2026	257
2027	257
2028	257
2029	257
Thereafter	1,693
Total	**$2,913**

14. ACCOUNTS PAYABLE AND ACCRUED LIABILITIES

The Company's accounts payable and accrued liabilities consist of the following (in thousands):

	February 28, 2025	**November 30, 2024**
Trade payables	$ 8,272	$ 7,715
Accrued sales and use tax	436	570
Accrued personnel costs	1,974	4,193
Accrued professional fees	322	124
Other accrued liabilities	178	506
Total	$ 11,182	$ 13,108

15. STOCKHOLDERS' EQUITY

Stock Buyback Program

On July 31, 2024, the Company's Board of Directors approved a plan to buy back up to $10 million worth of shares of Common Stock (the "Stock Buyback Program"). The Company's Stock Buyback Plan is intended to return capital to shareholders and to minimize the dilutive impact of stock options and other share-based awards. The Stock Buyback Program will expire on the sooner of the two-year anniversary of its initiation or until the Company reaches the aggregate limit of $10 million for the repurchases under the program. The repurchased shares are recorded as part of treasury stock and are accounted for under the cost method. No repurchases were made during the three months ended February 28, 2025. As of February 28, 2025, 0.3 million shares of common stock have been repurchased for $3.8 million.

16. STOCK-BASED COMPENSATION

2020 Plan

On October 23, 2020, the Company's Board of Directors approved and on November 19, 2020, the stockholders approved the Byrna Technologies Inc. 2020 Equity Incentive Plan (the "2020 Plan"). The aggregate number of shares of Common Stock available for issuance in connection with options and other awards granted under the 2020 Plan is 3,800,000 shares. The 2020 Plan is administered by the Compensation Committee of the Board. The Compensation Committee determines the persons to whom options to purchase shares of Common Stock, stock appreciation rights ("SARs"), restricted stock units ("RSUs"), and restricted or unrestricted shares of Common Stock may be granted. Persons eligible to receive awards under the 2020 Plan are employees, officers, directors, consultants, advisors and other individual service providers of the Company. Awards are at the discretion of the Compensation Committee.

The Company accounts for all stock-based payment awards granted to employees and non-employees as stock-based compensation expense at their grant date fair value. The Company's stock-based payments include stock options, RSUs, and incentive warrants. The measurement date for employee awards is the date of grant, and stock-based compensation costs are recognized as expense over the employees' requisite service period, on a straight-line basis. The measurement date for non-employee awards is generally the date the services were completed, resulting in financial reporting period adjustments to stock-based compensation during either the expected term or the contractual term. Stock-based compensation costs for non-employees are recognized as expense over the vesting period on a straight-line basis. Forfeitures are accounted for as they occur.

The fair value of each grant is estimated on the date of grant by using either the Black-Scholes, Binomial Lattice, or the quoted stock price on the date of grant, unless the awards are subject to market conditions in which case the Company uses the Monte Carlo simulation model. Due to the Company's limited history, the expected term of the Company's stock options granted to employees has been determined utilizing the method as prescribed by the SEC's Staff Accounting Bulletin, Topic 14. The risk-free interest rate is determined by reference to the U.S. Treasury yield curve in effect at the time of grant of the award for time periods approximately equal to the expected term of the award. Expected dividend yield is based on the fact that the Company has never paid cash dividends on Common Stock and does not expect to pay any cash dividends in the foreseeable future.

Stock-Based Compensation Expense

Stock-based compensation costs are recognized as expense over the employee's requisite service period, on a straight-line basis. Total stock-based compensation expense was $0.8 million and $0.9 million for the three months ended February 28, 2025 and February 29, 2024, respectively. Total stock-based compensation expense was recorded in Operating expenses in the accompanying Condensed Consolidated Statements of Operations and Comprehensive Income (Loss).

Restricted Stock Units

During the three months ended February 28, 2025 the Company did not grant RSUs. During the three months ended February 29, 2024, the Company granted 600,000 of the RSU's with a "double trigger" for vesting based on stock price and time, as follows: (1) one-third of the RSUs would be triggered when the Company's stock trades above $6.00 on a 20-day VWAP, the second one-third of the RSUs would be triggered when the Company's stock trades above $9.00 on a 20-day VWAP, and the final one-third of the RSUs would be triggered when the stock trades above $12.00 on a 20-day VWAP and (2) the employee must remain employed by the Company for three years from the effective date for the RSUs to vest. The Company granted 97,974 time-based RSU's during the three months ended February 29, 2024. Stock-based compensation expense for the RSUs for the three months ended February 28, 2025 and February 29, 2024 was $0.4 million and $0.5 million, respectively.

The assumptions that the Company used in a Monte Carlo simulation model to determine the grant-date fair value of RSUs granted with a double trigger for the three months ended February 29, 2024 were as follows:

Risk free rate		4.33%
Expected dividends	$	—
Expected volatility		33%
Expected life (in years)		2.7
Market price of the Company's Common Stock on date of grant	$	6.03

As of February 28, 2025, there was $2.0 million of unrecognized stock-based compensation cost related to unvested RSUs which is expected to be recognized over a weighted average of 1.4 years.

The following table summarizes the RSU activity during the three months ended February 28, 2025:

	RSUs
Unvested and outstanding as of November 30, 2024	915,230
Granted	—
Settled	(97,197)
Forfeited	—
Unvested and outstanding at February 28, 2025	818,033

Of the 97,197 restricted units issued, 272 units were returned to the Company in exchange for the Company paying for the payroll withholding taxes. For the three months ended February 28, 2025, RSUs of 96,925, net, were issued.

Stock Options

The Company recorded stock-based compensation expense for options granted to its employees and directors of $0.4 million and $0.4 million during the three months ended February 28, 2025 and February 29, 2024, respectively. As of February 28, 2025, there was $0.9 million of unrecognized stock-based compensation cost related to unvested stock options which is expected to be recognized over a weighted average period of 1.3 years.

Stock Option Valuation

The fair value of stock options at the date of grant was estimated using the Black Scholes option pricing model. The assumptions that the Company used to determine the grant-date fair value of stock options granted for the three months ended February 29, 2024 were as follows:

Risk free rate		4.10%
Expected dividends	$	—
Expected volatility		75.75%
Expected life (in years)		6.5
Market price of the Company's Common Stock on date of grant	$	6.89

The following table summarizes option activity under the 2020 Plan during the three months ended February 28, 2025:

	Stock Options	Weighted-Average Exercise Price Per Stock Option
Outstanding, November 30, 2024	1,241,839	$ 9.11
Granted	—	—
Exercised	(102,329)	9.16
Expired	(586)	1.90

Forfeited	—		—
Outstanding, February 28, 2025	1,138,924	$	9.13
Exercisable, February 28, 2025	835,092	$	9.49

Of the 102,329 shares issued upon exercise of options, 27,778 options were surrendered due to cashless exercise.

17. EARNINGS PER SHARE

For the three months ended February 28, 2025 and February 29, 2024, the Company recorded net income and, as such, used diluted weighted-average common shares outstanding when calculating diluted income per share for the three months ended February 28, 2025. Stock options and RSUs that could potentially dilute basic earnings per share ("EPS") in the future are included in the computation of diluted income per share.

	For the Three Months Ended	
	February 28, 2025	February 29, 2024
Net income	$ 1,662	$ 17
Weighted-average number of shares used in computing net income per share, basic	22,587,099	22,035,249
Net income per share - basic	$ 0.07	$ -
Weighted-average number of shares used in computing net income per share, diluted	24,098,635	22,838,827
Net income per share - diluted	$ 0.07	$ -

The following table reconciles the weighted-average common shares outstanding used in the calculation of basic EPS to the weighted-average common shares outstanding used in the calculation of diluted EPS for the three months ended February 28, 2025 and February 29, 2024:

	For the Three Months Ended	
	February 28, 2025	February 29, 2024
Weighted-average common shares outstanding- basic	22,587,099	22,035,249
Assumed conversion of:		
Dilutive stock options	720,689	37,014
Dilutive RSUs	790,847	766,564
Weighted-average common share outstanding- diluted	24,098,635	22,838,827

The following potential common shares, presented based on amounts outstanding at each period end, were excluded from the calculation of diluted net loss per share attributable to common stockholders for the periods indicated because including them would have had an anti-dilutive effect:

	For the Three Months Ended	
	February 28, 2025	February 29, 2024
Options	—	1,130,166
RSUs	—	301,667
Total	—	1,431,833

18. RELATED PARTY TRANSACTIONS

The following transactions are in the normal course of operations and are measured at the amount of consideration established and agreed to by related parties. Amounts due to related parties are unsecured, non-interest bearing and due on demand.

The Company subleases office premises at its Massachusetts headquarters to a corporation owned and controlled by the Chief Executive Officer ("CEO") of the Company beginning July 1, 2020, with no stated termination date. Sublease payments received were a nominal amount for the three months ended February 28, 2025 and February 29, 2024.

Fusady is owned, in equal 25% shares, by four individual investors. These four individuals also each own 25% of Bersa S.A. Bersa S.A. is a distributor of the Company's products in Argentina. There were no sales to Bersa S.A. during the three months ended February 28, 2025 and February 29, 2024. Because of the divesture of the joint venture in August 2024 (see Note 8), Fusady is no longer considered a related party.

19. LEASES

Operating Leases

The Company has operating leases for real estate in the United States and South Africa and does not have any finance leases.

In 2019, the Company entered into a real estate lease for office space in Andover, Massachusetts. In August 2021, the lease was amended to include additional space and extend the term of the existing space by one year. The new lease expiration date is February 29, 2028.

The Company leases office and warehouse space in South Africa. The Company has exercised its right to extend the lease for an additional year. The lease, which was originally set to expire in December 2024, was extended to December 2025.

The Company leased warehouse and manufacturing space in Fort Wayne, Indiana. The lease was to expire on July 31, 2025. Commencing in August 2022, the Company sub-leased the former Fort Wayne facility. The amount received from the sub-lease was immaterial. In March 2024, the Company terminated the lease and sublease.

Commencing in July 2024, the Company entered into a new operating lease for warehouse and retail office space located in Fort Wayne, Indiana. The lease term is for seven years, commencing on July 15, 2024 and expiring on July 14, 2029. As of February 28, 2025, the total right-of-use asset amounting to $0.3 million and the corresponding lease liability of $0.3 million are reflected in the Company's financial statements.

The Company also leases office space in Las Vegas, Nevada, which expires on January 31, 2027. The base rent is less than $0.1 million per month.

Commencing in August 2024, the Company entered into a new operating lease for retail office space located in Salem, New Hampshire. The lease term is for seven years, commencing on August 22, 2024 and expiring on August 21, 2029. As of February 28, 2025, the total right-of-use asset amounting to $0.1 million and the corresponding lease liability of $0.1 million are reflected in the Company's financial statements.

Commencing in August 2024, the Company entered into a new operating lease for retail office space located in Scottsdale, Arizona. The lease term is for ten years, commencing on August 27, 2024 and expiring on July 31, 2032. As of February 28, 2025, the total right-of-use asset amounting to $0.7 million and the corresponding lease liability of $0.6 million are reflected in the Company's financial statements.

Commencing in November 2024, the Company entered into a new operating lease for retail office space located in Franklin, Tennessee. The lease term is for five and a half years, commencing on November 1, 2024 and expiring on April 30, 2030. As of February 28, 2025, the total right-of-use asset amounting to $0.2 million and the corresponding lease liability of $0.3 million are reflected in the Company's consolidated financial statements.

Certain of the Company’s leases contain options to renew and extend lease terms and options to terminate leases early. Reflected in the right-of-use asset and lease liability on the Company’s balance sheets are the periods provided by renewal and extension options that the Company is reasonably certain to exercise, as well as the periods provided by termination options that the Company is reasonably certain to not exercise.

For the three months ended February 28, 2025, the elements of lease expense were as follows (in thousands):

	Three Months Ended February 28, 2025	Three Months Ended February 29, 2024
Lease Cost:		
Operating lease cost	$ 181	$ 160
Short-term lease cost	19	-
Total lease cost	$ 200	$ 160

Other Information:		
Cash paid for amounts included in the measurement of operating lease liabilities	$ 105	$ 169

Operating Leases:	
Weighted-average remaining lease term (in years)	4.6
Weighted-average discount rate	8.0%

Future lease payments under non-cancelable operating leases as of February 28, 2025 are as follows (in thousands):

Fiscal Year Ending November 30,	
2025 (nine months)	$ 555
2026	773
2027	669
2028	356
2029	266
Thereafter	387
Total lease payments	3,006
Less: imputed interest	471
Present value of operating lease liabilities	$ 2,535
Operating lease liabilities, current	$ 572
Operating lease liabilities, non-current	$ 1,963

20. INCOME TAXES

For the three months ended February 28, 2025, the Company recorded $0.1 million of income tax expense. For the three months ended February 29, 2024, the Company recorded less than $0.1 million of income tax expense. For the three months ended February 28, 2025 and February 29, 2024, the effective tax rate was 6.4% and 0.0%, respectively. The Company's tax rate differs from the statutory rate of 21.0% due to the effects of state taxes net of federal benefit, the foreign tax rate differential as a result of Byrna South Africa, effects of permanent non-deductible expenses, and other effects.

21. COMMITMENTS AND CONTINGENCIES

Legal Proceedings

In the ordinary course of our business, the Company may be subject to certain other legal actions and claims, including product liability, consumer, commercial, tax and governmental matters, which may arise from time to time. The Company does not believe it is currently a party to any pending legal proceedings. Notwithstanding, legal proceedings are subject to inherent uncertainties, and an unfavorable outcome could include monetary damages, and excessive verdicts can result from litigation, and as such, could result in a material adverse impact on the Company's business, financial position, results of operations, and/or cash flows. Additionally, although the Company has specific insurance for certain potential risks, the Company may in the future incur judgments or enter into settlements of claims which may have a material adverse impact on the Company's business, financial position, results of operations, and/or cash flows.

22. SEGMENT AND GEOGRAPHICAL DISCLOSURES

The CEO, who is also the Chief Operating Decision Maker, evaluates the entire business as a single entity, which includes reviewing financial information and making business decisions based on the overall results of the business. As such, the Company's operations constitute a single operating segment and one reportable segment.

The tables below summarize the Company's revenue for the three months ended February 28, 2025 and February 29, 2024, respectively, by geographic region (in thousands):

Revenue:

Three Months Ended	U.S./Mexico	South Africa	Europe/ South America/ Asia	Canada	Total
February 28, 2025	$ 24,168	$ 151	$ 1,329	$ 542	$ 26,190
February 29, 2024	$ 15,538	$ 63	$ 517	$ 536	$ 16,654

23. FINANCIAL INSTRUMENTS

The Company is exposed to risks that arise from its use of financial instruments. This note describes the Company's objectives, policies and processes for managing those risks and the methods used to measure them.

i) Currency Risk

The Company held its cash balances within banks in the U.S. in U.S. dollars and with banks in South Africa in U.S. dollars and South African rand. The Company's operations are conducted in the U.S. and South Africa. The value of the South African rand against the U.S. dollar may fluctuate with changes in economic conditions.

During the three months ended February 28, 2025, in comparison to the prior year period, the U.S. dollar on average was stronger in relation to the South African rand, and upon the translation of the Company's subsidiaries' revenues, expenses, assets and liabilities held in South African rand. The Company recorded a translation adjustment loss of $0.1 million related to the South African rand during the three months ended February 28, 2025 and February 29, 2024, respectively.

The Company's South African subsidiary revenues, cost of goods sold, operating costs and capital expenditures are denominated in South African rand. Consequently, fluctuations in the U.S. dollar exchange rate against the South African rand increases the volatility of sales, cost of goods sold and operating costs and overall net earnings when translated into U.S. dollars. The Company is not using any forward or option contracts to fix the foreign exchange rates. Using a 10% fluctuation in the U.S. exchange rate, the impact on the income and stockholders' equity is not material.

ii) Credit Risk

Credit risk is the risk that one party to a financial instrument will cause a financial loss for the other party by failing to discharge an obligation. The financial instruments that potentially subject the Company to credit risk consist of cash and cash equivalents, marketable securities, accounts receivable, and the loan receivable from Byrna LATAM. The Company maintains cash and cash equivalents with high credit quality financial institutions located in the US and South Africa. The Company maintains cash and cash equivalents balances along with marketable securities with financial institutions in the US in excess of amounts insured by the Federal Deposit Insurance Corporation.

The Company provides credit to its customers in the normal course of its operations. It carries out, on a continuing basis, credit checks on its customers. As of February 28, 2025, three of the Company's customers accounted for approximately 26% of total accounts receivable. As of November 30, 2024, two of the Company's customers accounted for approximately 36% of total accounts receivable.

The Company loaned $1.6 million to Byrna LATAM in January 2023 (see Note 8). The Company determines if an estimate for a credit loss on this loan is needed by considering the financial position of Byrna LATAM, the current economic environment, collections on our accounts receivable balances with Byrna LATAM, as well reasonable and supportable forecasts to support the payment of this loan. The Company reviews these factors quarterly to determine if any adjustments are needed.

The Company's marketable debt securities consist of U.S. Treasury Securities, and Corporate Bonds. The Company's investment policy limits the amounts the Company may invest in any one type of investment and requires all investments held by the Company to be at least AA-/Aa3 rated, thereby reducing credit risk exposure.

ITEM 2. Management's Discussion and Analysis of Financial Condition and Results of Operations

References in this quarterly report on Form 10-Q (the "Quarterly Report") to "we," "us" or the "Company" refer to Byrna Technologies Inc. References to our "management" or our "management team" refer to our officers and directors. The following discussion and analysis of our financial condition and results of operations should be read in conjunction with the financial statements and the notes thereto contained elsewhere in this Quarterly Report. Certain information contained in the discussion and analysis set forth below includes forward-looking statements that involve risks and uncertainties.

Special Note Regarding Forward-Looking Statements

This Quarterly Report includes "forward-looking statements" within the meaning of Section 27A of the Securities Act of 1933, as amended (the "Securities Act") and Section 21E of the Securities Exchange Act of 1934, as amended, (the "Exchange Act") that are not historical facts and involve risks and uncertainties that could cause actual results to differ materially from those expected and projected. All statements, other than statements of historical fact included in this Quarterly Report including, without limitation, statements in this "Management's Discussion and Analysis of Financial Condition and Results of Operations" regarding our financial position, business strategy and the plans and objectives of management for future operations, are forward-looking statements. Words such as "expect," "believe," "anticipate," "intend," "may," "estimate," "opportunity," "could," "seek" and variations and similar words and expressions are intended to identify such forward-looking statements. Such forward-looking statements relate to future events or future performance, but reflect management's current beliefs, based on information currently available. A number of factors could cause actual events, performance or results to differ materially from the events, performance and results discussed in the forward-looking statements. For information identifying important risk factors that could cause actual results to differ materially from those anticipated in the forward-looking statements, please refer to the Risk Factors section of our Annual Report on Form 10-K for the year ended November 30, 2024 filed with the U.S. Securities and Exchange Commission (the "SEC") on February 7, 2025, as amended on March 31, 2025 (the "2024 10-K"), and the Company's subsequent filings with the SEC, all of which can be accessed on the EDGAR section of the SEC's website at www.sec.gov. Except as expressly required by applicable securities law, we disclaim any intention or obligation to update or revise any forward-looking statements whether as a result of new information, future events or otherwise, including but not limited to our ability to design, introduce and sell new products, services and features, the impact of any regulatory proceedings or litigation, our ability to protect our intellectual property and compete with existing and new products, the impact of stock compensation expense, dividends, warrant exercises and related accounting, impairment expense and income tax expense on our financial results, our ability to manage our supply chain and avoid production delays, shortages or other factors, including product mix, cost of parts and materials and cost of labor that may impact our gross margins, our ability to retain and incentivize key management personnel, product defects, the success of our entry to new markets, customer purchase behavior and negative media publicity or public perception of our brand or products, restrictions or prohibitions imposed by advertising platforms, loss of customer data, breach of security or an extended outage related to our e-commerce storefronts, including a breach or outage by our third party cloud based storage providers, exposure to international operational risks, delayed cash collections or credit losses, determinations or audits by taxing authorities, changes in government regulations, the impact of existing or future regulation by the Bureau of Alcohol, Tobacco, and Firearms, import and export regulators, or other federal or state authority, or changes in international law in key jurisdictions including South America and South Africa or our inability to obtain needed exemptions from such existing or future regulation.

OVERVIEW

The following discussion and analysis is intended to help you understand us, our operations and our financial performance. It should be read in conjunction with our unaudited condensed consolidated financial statements and the accompanying notes, which are included in Item 1 of this report.

Byrna Technologies is a designer, manufacturer, retailer and distributor of innovative technological solutions for security situations that do not require the use of lethal force. Our mantra is *Live Safe*, and our core mission is to empower individuals to safely and fully engage in life and adventure. Our design team's directive is to build easy-to-use self-defense tools to enhance the safety of our customers and their loved ones at home and outdoors. We are also focused on developing tools that can be used instead of firearms by professional law enforcement and private security customers to reduce shootings and facilitate trust between police and the communities they seek to serve. Our strategy is to establish Byrna® as a consumer lifestyle brand associated with the confidence people can achieve by knowing they can protect themselves, their loved ones and those around them. We believe we have a significant opportunity to leverage the Byrna brand to expand our product line, broaden our user base and generate increasing sales from new and existing customers.

Our business strategy is twofold: (1) to fulfill the growing demand for less-lethal products in the law enforcement, correctional services, and private security markets and (2) to provide civilians – including those whose work or daily activities may put them at risk of being a victim – with easy access to an effective, non-lethal way to protect themselves and their loved ones from threats to their person or property.

We believe that the United States, along with many other parts of the world, is experiencing a significant spike in the demand for less-lethal products and that the less-lethal market will be one of the faster growing segments of the security market over the next decade. We plan to respond to this demand for less-lethal products through the serial production and distribution of the Byrna® SD and expansion of the Byrna product line.

On January 10, 2023, we created a new joint venture ("Byrna LATAM") with Fusady S.A. ("Fusady") located in Uruguay, to expand our operations and presence in South American markets. We held 51% of the stock in Byrna LATAM, and the remaining 49% of stock in Byrna LATAM was held by Fusady. Under the terms of the joint venture, we did not control the Byrna LATAM. On August 19, 2024 we sold our 51% ownership interest to Fusady S.A. for $1 and entered into an exclusive distribution, manufacturing and licensing agreement with Byrna LATAM. The LATAM Licensing Agreement allows Byrna LATAM to exclusively manufacture the Byrna SD launcher and ammunition in certain South American countries and requires Byrna LATAM to pay us a royalty on Byrna products manufactured. The LATAM Share Purchase Agreement also includes put and call rights based on defined triggers that expire August 19, 2029.

On July 31, 2024, our Board of Directors approved a plan to buy back up to $10 million worth of shares of our common stock (the "Stock Buyback Program"). The Stock Buyback Program is intended to return capital to shareholders and to minimize the dilutive impact of stock options and other share-based awards. The Stock Buyback Program will expire on the sooner of the two-year anniversary of its initiation or until we reach the aggregate limit of $10 million for the repurchases under the program.

RESULTS OF OPERATIONS

Three months ended February 28, 2025 as compared to three months ended February 29, 2024:

Net Revenue
Revenues were $26.2 million in the first fiscal quarter of 2025 which represents an increase of $9.5 million, or 57%, as compared to the prior year period revenues of $16.7 million. Most of the increase in revenue can be attributed to a new marketing strategy, implemented in September of 2023, shifting advertising efforts away from social media platforms and towards celebrity endorsers. Direct to customer sales, via Amazon and our website, which increased by $6.7 million, or 52%, from $12.8 million in the first fiscal quarter of 2024 to $19.5 million in the fiscal quarter of 2025. Sales to domestic dealers and retailers also improved, increasing by 80% to $4.7 million from $2.6 million in the three months ended February 29, 2024. Sales to international markets increased from $1.3 million in the three months ended February 29, 2024 to $2.0 million in the three months ended February 28, 2025.

Cost of Goods Sold
Cost of goods sold was $10.3 million in the first fiscal quarter of 2025 compared to $7.0 million in the prior year period. This increase of $3.3 million, or 47%, is primarily due to the increase in sales volumes.

Gross Profit
Gross profit is calculated as total revenue less cost of goods sold and gross margin is calculated as gross profit divided by total revenue. Included as cost of goods sold are costs associated with the production and procurement of products, such as labor and overhead, inbound freight costs, manufacturing depreciation, purchasing and receiving costs, and inspection costs. Gross profit was $15.9 million in the first fiscal quarter of 2025, or 60.8% of net revenue, as compared to gross profit of approximately $9.6 million, or 57.9% of net revenue, in the prior year period. The majority of the increase was driven by volume, resulting from heightened demand linked to marketing initiatives and channel growth. This was further supported by higher absorption of fixed costs due to increased production volume and a reduced reliance on price discounts for sales promotions.

Operating Expenses
Operating expenses were $14.2 million in the first fiscal quarter of 2025, an increase of $4.4 million, as compared to the prior year period expenses of $9.8 million. The increase is due to an increase of $1.3 million in marketing expenses, an increase of $1.2 million in variable expenses, which increase in proportion to sales volume, an increase of $1.1 million in employee compensation costs.

Other Income (Expense)

We recorded \$0.1 million of foreign currency transaction loss during the three months ended February 28, 2025 and February 29, 2024. We recorded \$0.2 million of interest income during the three months ended February 28, 2025 compared to \$0.3 million in the three months ended February 29, 2024.

Income Tax Provision

For the three months ended February 28, 2025 and February 29, 2024, we recorded less than $0.1 million of income tax expense. For the three months ended February 28, 2025 and February 29, 2024, the effective tax rate was 6.4% and 0.0%, respectively. Our tax rate differs from the statutory rate of 21.0% due to the effects of state taxes net of federal benefit, the foreign tax rate differential as a result of Byrna South Africa, effects of permanent non-deductible expenses, and other effects.

Net Income

Net income was $1.7 million for the three months ended February 28, 2025, an improvement of $1.7 million compared to less than $0.1 million for the three months ended February 29, 2024.

Non-GAAP Financial Measures

In addition to providing financial measurements based on generally accepted accounting principles in the United States (GAAP), we provide an additional financial metric that is not prepared in accordance with GAAP (non-GAAP) with presenting non-GAAP adjusted EBITDA. Management uses this non-GAAP financial measure, in addition to GAAP financial measures, to understand and compare operating results across accounting periods, for financial and operational decision making, for planning and forecasting purposes and to evaluate our financial performance. We believe that this non-GAAP financial measure helps us to identify underlying trends in our business that could otherwise be masked by the effect of certain expenses that we exclude in the calculations of the non-GAAP financial measure.

Accordingly, we believe that this non-GAAP financial measure reflects our ongoing business in a manner that allows for meaningful comparisons and analysis of trends in the business and provides useful information to investors and others in understanding and evaluating our operating results, enhancing the overall understanding of our past performance and future prospects.

This non-GAAP financial measure does not replace the presentation of our GAAP financial results and should only be used as a supplement to, not as a substitute for, our financial results presented in accordance with GAAP. There are limitations in the use of non-GAAP measures, because they do not include all the expenses that must be included under GAAP and because they involve the exercise of judgment concerning exclusions of items from the comparable non-GAAP financial measure. In addition, other companies may use other non-GAAP measures to evaluate their performance, or may calculate non-GAAP measures differently, all of which could reduce the usefulness of our non-GAAP financial measure as a tool for comparison.

Adjusted EBITDA

Adjusted EBITDA is defined as net (loss) income as reported in our Condensed Consolidated Statements of Operations and Comprehensive Income (Loss) excluding the impact of (i) depreciation and amortization; (ii) income tax provision (benefit); (iii) interest income (expense); (iv) stock-based compensation expense, (v) impairment loss and (vi) one-time, non-recurring other expenses or income. Our Adjusted EBITDA measure eliminates potential differences in performance caused by variations in capital structures (affecting finance costs), tax positions, the cost and age of tangible assets (affecting relative depreciation expense) and the extent to which intangible assets are identifiable (affecting relative amortization expense). We also exclude certain one-time and non-cash costs. Reconciliation of Adjusted EBITDA to net (loss) income, the most directly comparable GAAP measure, is as follows (in thousands):

	For the Three Months Ended	
	February 28, 2025	**February 29, 2024**
Net income	$ 1,662	$ 17
Adjustments:		
Interest income	(186)	(280)
Income tax expense	140	—
Depreciation and amortization	185	338
Non-GAAP EBITDA	1,801	75
Stock-based compensation expense	840	938
Severance/Officer recruiting	130	163
Non-GAAP adjusted EBITDA	$ 2,771	$ 1,176

LIQUIDITY AND CAPITAL RESOURCES

Cash Flow Summary

Cash and cash equivalents as of February 28, 2025 totaled $7.7 million, a decrease of $9.1 million from $16.8 million of cash and cash equivalents as of November 30, 2024.

Operating Activities

Cash used in operating activities was $3.8 million for the three months ended February 28, 2025 compared to cash provided by operations of $3.9 million during the prior year period. Net income was $1.7 million compared to less than $0.1 million for the three months ended February 28, 2025 and February 29, 2024, respectively. Cash outlays for operating activities are typically higher in the first quarter of the year. The Company expects to generate cash in subsequent quarters of the fiscal year. Significant changes in noncash and working capital activity are as follows:

Non-cash activity includes stock-based compensation expenses of $0.8 million for the three months ended February 28, 2025 compared to $0.9 million for the three months ended February 29, 2024; depreciation and amortization expense of $0.4 million for the three months ended February 28, 2025 compared to $0.3 million for the three months ended February 29, 2024.

Inventory increased during the three months ended February 28, 2025 by $3.2 million compared to a decrease of $1.8 million for the three months ended February 29, 2024. Accounts receivable increased by $0.3 million during the three months ended February 28, 2025 as compared to a decrease of $1.4 million for the three months ended February 29, 2024. Accounts payable and accrued liabilities decreased during the three months ended February 28, 2025 by $1.9 million compared to a decrease of $1.0 million for the three months ended February 29, 2024. Prepaid expenses and other current assets increased by $0.5 million during the three months ended February 28, 2025 compared to an increase of $0.3 million during the three months ended February 29, 2024. Operating lease liabilities decreased by $0.1 million during the three months ended February 28, 2025 compared to a decrease of $0.1 million during the three months ended February 29, 2024. Deferred revenues decreased $1.3 million during the three months ended February 28, 2025 compared to an increase of $0.7 million for the three months ended February 29, 2024. Inventory is expected to increase in preparation for the commercial release of the Company's new compact launcher product.

Investing Activities

Cash used in investing activities was $5.3 million for the three months ended February 28, 2025 compared to $0.1 million for the three months ended February 29, 2024. The prior year period investing activities primarily relates to the purchases of property and equipment while the current period relates to purchases of property and equipment and marketable securities. Capital expenditures were higher than typical in the first quarter of the fiscal year due to the build out of retail stores and new ammunition manufacturing facility. Capital expenditures may continue to be elevated in the second quarter of the fiscal year but are expected to decrease in the third and fourth quarters of the current fiscal year.

Financing Activities

Cash provided by financing activities was less than $0.1 million for the three months ended February 28, 2025 compared to less than $0.1 million for the three months ended February 29, 2024. The current year amount was primarily composed of proceeds from stock option exercises and taxes paid on issuances of restricted stock units. The prior year amount was primarily composed of proceeds from stock option exercises. The Company requires significant capital to meet its obligations as they become due. Throughout the next twelve months, the Company intends to fund its operations primarily from the funds raised through its operations. The Company may pursue secondary equity offerings or debt financings to provide working capital and satisfy debt obligations. There can be no assurance as to the availability or terms upon which such financing and capital might be available in the future. If the Company is unable to secure additional funding, it may be forced to curtail or suspend its business plans.

Off-Balance Sheet Arrangements

We do not have any off-balance sheet arrangements that have, or are reasonably likely to have a current or future effect on our financial condition, changes in financial condition, revenues or expenses, results of operations, liquidity, capital expenditures or capital resources that are material to investors.

RECENT ACCOUNTING PRONOUNCEMENTS

See Note 5, “Recent Accounting Guidance,” in the Notes to unaudited condensed consolidated financial statements included in Item 1 of this report for a discussion of recently issued and adopted accounting standards.

CRITICAL ACCOUNTING POLICIES AND ESTIMATES

Our unaudited condensed consolidated financial statements are based on the selection and application of significant accounting policies, which require management to make significant estimates and assumptions. Our significant accounting policies are outlined in Note 4, “Summary of Significant Accounting Policies,” in the Notes to Consolidated Financial Statements included in Item 8 of the 2024 10-K. During the three months ended February 28, 2025, there were no significant changes to our critical accounting policies from those described in our 2024 10-K.

ITEM 3. QUANTITATIVE AND QUALITATIVE DISCLOSURES ABOUT MARKET RISK

Not applicable.

ITEM 4. CONTROLS AND PROCEDURES

Evaluation of Disclosure Controls and Procedures

The Company's management, including the Chief Executive Officer ("CEO") and Chief Financial Officer ("CFO"), evaluated the effectiveness of our disclosure controls and procedures as of February 28, 2025 pursuant to Rule 13a-15(b) of the Exchange Act. Disclosure controls and procedures are designed to ensure that material information required to be disclosed by the Company in the reports that the Company files or submits under the Exchange Act is recorded, processed, summarized and reported within the time periods specified in the SEC's rules and forms. Disclosure controls and procedures include, without limitation, controls and procedures designed to ensure that material information is accumulated and communicated to the Company's management, including its CEO and CFO, as appropriate to allow timely decisions regarding required disclosure. Management recognizes that any controls and procedures, no matter how well designed and operated, can provide only reasonable assurance of achieving their objectives. Management necessarily applies its judgment in evaluating the cost-benefit relationship of possible controls and procedures. The Company's CEO and CFO concluded with reasonable assurance, that as of February 28, 2025, our disclosure controls and procedures were effective.

Changes in Internal Controls Over Financial Reporting

There were no changes that occurred during the first quarter of 2025 that have materially affected or are reasonably likely to materially affect our internal control over financial reporting.

PART II - OTHER INFORMATION

ITEM 1. LEGAL PROCEEDINGS

In the normal course of business, the Company occasionally becomes involved in various legal proceedings. The results of any such proceedings cannot be predicted with certainty because such matters are inherently uncertain. Significant damages or penalties may be sought in some matters, and some matters may require years to resolve. In our opinion, at this time, any liability from such proceedings would not have a material adverse effect on the business or financial condition of the Company.

ITEM 1A. RISK FACTORS

Factors that could cause our actual results to differ materially from those in this report include the "Risk Factors" in Part I, Item 1A of our Annual Report on Form 10-K for the fiscal year ended November 30, 2024, filed with the SEC on February 7, 2025, as amended on March 31, 2025. There have been no material changes to the risk factors disclosed in our 2024 Form 10-K.

ITEM 2. UNREGISTERED SALES OF EQUITY SECURITIES AND USE OF PROCEEDS.

On July 31, 2024, our Board of Directors approved a program to buy back up to $10 million worth of shares of our Common Stock from the open market during a period of two years (the "Stock Buyback Program"). The Stock Buyback Program is intended to return capital to shareholders and to minimize the dilutive impact of stock options and other share-based awards. There were no repurchases of shares of our Common Stock under the Stock Buyback Program during the three months ended February 28, 2025. See Note 14 of our notes to condensed consolidated financial statements for information regarding the Stock Buyback Program.

ITEM 3. DEFAULTS UPON SENIOR SECURITIES.

None.

ITEM 4. MINE SAFETY DISCLOSURES.

Not applicable.

ITEM 5. OTHER INFORMATION.

Insider Adoption or Termination of Trading Arrangements:

During the fiscal quarter ended February 28, 2025, none of our directors or officers informed us of the adoption, modification or termination of a "Rule 10b5-1 trading arrangement" or "non-Rule 10b5-1 trading arrangement," as those terms are defined in Regulation S-K, Item 408.

ITEM 6. EXHIBITS.

The following exhibits are filed as part of, or incorporated by reference into, this Quarterly Report on Form 10-Q.

No.	Description of Exhibit
4.1	Byrna Technologies Inc. Amended and Restated 2020 Equity Incentive Plan (incorporated by reference to Exhibit 4.5 to the Company's Registration Statement on Form S-8 filed with the Securities and Exchange Commission on February 7, 2025).
10.2	Separation Agreement between Byrna Technologies Inc. and David North, dated June 19, 2024 (incorporated by reference to Exhibit 10.2 to the Company's Current Report on Form 8-K filed with the Securities and Exchange Commission on June 24, 2024).
10.3	Consulting Agreement between Byrna Technologies Inc. and David North, dated June 19, 2024 (incorporated by reference to Exhibit 10.3 to the Company's Current Report on Form 8-K filed with the Securities and Exchange Commission on June 24, 2024).
31.1*	Certification of Principal Executive Officer Pursuant to Securities Exchange Act Rules 13a-14(a) and 15(d)-14(a), as adopted Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002
31.2*	Certification of Principal Financial and Accounting Officer Pursuant to Securities Exchange Act Rules 13a-14(a) and 15(d)-14(a), as adopted Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002
32.1**	Certification of Principal Executive Officer and Principal Financial and Accounting Officer Pursuant to 18 U.S.C. Section 1350, as adopted Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002
101.INS*	Inline XBRL Instance Document
101.CAL*	Inline XBRL Taxonomy Extension Calculation Linkbase Document
101.SCH*	Inline XBRL Taxonomy Extension Schema Document
101.DEF*	Inline XBRL Taxonomy Extension Definition Linkbase Document
101.LAB*	Inline XBRL Taxonomy Extension Labels Linkbase Document
101.PRE*	Inline XBRL Taxonomy Extension Presentation Linkbase Document
104	Cover Page Interactive Data File (formatted as Inline XBRL and contained in Exhibit 101)

* Filed herewith.
**Furnished.

SIGNATURES

Pursuant to the requirements of Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

Byrna Technologies Inc.

Date: April 10, 2025	/s/ Bryan Ganz Name: Bryan Ganz Title: President and Chief Executive Officer, Chairman of the Board (Principal Executive Officer)
Date: April 10, 2025	/s/ Laurilee Kearnes Name: Laurilee Kearnes Title: Chief Financial Officer (Principal Financial Officer and Principal Accounting Officer)

Exhibit 31.1

**CERTIFICATION OF PRINCIPAL EXECUTIVE OFFICER
PURSUANT TO SECURITIES EXCHANGE ACT RULES 13A-14(A) AND 15D-14(A)
AS ADOPTED PURSUANT TO
SECTION 302 OF THE SARBANES-OXLEY ACT OF 2002**

I, Bryan Ganz, certify that:

1. I have reviewed this Quarterly Report on Form 10-Q of Byrna Technologies Inc.;

2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;

3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;

4. The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:

   a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;

   b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;

   c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and

   d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's first fiscal quarter that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and

5. The registrant's other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):

   (a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and

   (b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: April 10, 2025

By:/s/ Bryan Ganz
Bryan Ganz
Chief Executive Officer, President, and Director
(Principal Executive Officer)

Exhibit 31.2

**CERTIFICATION OF PRINCIPAL FINANCIAL OFFICER
PURSUANT TO SECURITIES EXCHANGE ACT RULES 13A-14(A) AND 15D-14(A)
AS ADOPTED PURSUANT TO
SECTION 302 OF THE SARBANES-OXLEY ACT OF 2002**

I, Lauri Kearnes, certify that:

1. I have reviewed this Quarterly Report on Form 10-Q of Byrna Technologies Inc.;

2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;

3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;

4. The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:

   a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;

   b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;

   c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and

   d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's first fiscal quarter that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and

5. The registrant's other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):

   (a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and

   (b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: April 10, 2025

By:/s/ Laurilee Kearnes
Laurilee Kearnes
Chief Financial Officer
(Principal Financial and Accounting Officer)

Exhibit 32.1

CERTIFICATION OF CHIEF EXECUTIVE OFFICER AND CHIEF FINANCIAL OFFICER PURSUANT TO 18 U.S.C. SECTION 1350, AS ADOPTED PURSUANT TO SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002

In connection with the Quarterly Report on Form 10-Q of Byrna Technologies Inc. (the “Company”) for the period ended February 28, 2025, as filed with the Securities and Exchange Commission (the “Report”), each of the undersigned, in the capacities and on the date indicated below, hereby certify pursuant to 18 U.S.C. §1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that, to their knowledge:

1. The Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934, as amended; and

2. The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company as of and for the period covered by the Report.

Date: April 10, 2025

By:/s/ Bryan Ganz
Bryan Ganz
Chief Executive Officer, President, and Director
(Principal Executive Officer)

By:/s/ Laurilee Kearnes
Laurilee Kearnes
Chief Financial Officer
(Principal Financial and Accounting Officer)

Document And Entity Information - shares	3 Months Ended Feb. 28, 2025	Apr. 10, 2025
Document Information [Line Items]		
Entity Central Index Key	0001354866	
Entity Registrant Name	Byrna Technologies Inc.	
Amendment Flag	false	
Current Fiscal Year End Date	--11-30	
Document Fiscal Period Focus	Q1	
Document Fiscal Year Focus	2025	
Document Type	10-Q	
Document Quarterly Report	true	
Document Period End Date	Feb. 28, 2025	
Document Transition Report	false	
Entity File Number	333-132456	
Entity Incorporation, State or Country Code	DE	
Entity Tax Identification Number	71-1050654	
Entity Address, Address Line One	100 Burtt Road, Suite 115	
Entity Address, City or Town	Andover	
Entity Address, State or Province	MA	
Entity Address, Postal Zip Code	01810	
City Area Code	978	
Local Phone Number	868-5011	
Title of 12(b) Security	Common stock, $0.001, par value per share	
Trading Symbol	BYRN	
Security Exchange Name	NASDAQ	
Entity Current Reporting Status	Yes	
Entity Interactive Data Current	Yes	
Entity Filer Category	Non-accelerated Filer	
Entity Small Business	true	
Entity Emerging Growth Company	false	
Entity Shell Company	false	
Entity Common Stock, Shares Outstanding		22,667,235

Condensed Consolidated Balance Sheets (Current Period Unaudited) - USD ($) $ in Thousands	Feb. 28, 2025	Nov. 30, 2024
CURRENT ASSETS		
Cash and cash equivalents	$ 7,669	$ 16,829
Accounts receivable, net	2,900	2,630
Inventory, net	23,182	19,972
Prepaid expenses and other current assets	3,441	2,623
Marketable debt securities	11,620	8,904
Total current assets	48,812	50,958
LONG TERM ASSETS		
Deposits for equipment	3,669	2,665
Right-of-use-asset, net	2,218	2,452
Property and equipment, net	4,651	3,408
Intangible assets, net	3,273	3,337
Goodwill	2,258	2,258
Deferred tax asset	5,468	5,837
Other assets	689	1,007
TOTAL ASSETS	71,038	71,922
CURRENT LIABILITIES		
Accounts payable and accrued liabilities	11,182	13,108
Operating lease liabilities, current	572	539
Deferred revenue, current	483	1,791
Total current liabilities	12,237	15,438
LONG TERM LIABILITIES		
Deferred revenue, non-current	11	17
Operating lease liabilities, non-current	1,963	2,098
Total liabilities	14,211	17,553
COMMITMENTS AND CONTINGENCIES (NOTE 21)		
STOCKHOLDERS’ EQUITY		
Preferred stock, $0.001 par value, 5,000,000 shares authorized, no shares issued	0	0
Common stock, $0.001 par value, 50,000,000 shares authorized. 25,182,452 shares issued and 22,667,235 shares outstanding as of February 28, 2025, and 25,010,976 shares issued and 22,495,759 outstanding as of November 30, 2024	25	25
Additional paid-in capital	133,895	133,029
Treasury stock (2,515,217 shares purchased as of February 25, 2025 and November 30, 2024, respectively)	(21,253)	(21,253)
Accumulated deficit	(55,121)	(56,783)
Accumulated other comprehensive loss	(719)	(649)
Total Stockholders’ Equity	56,827	54,369
TOTAL LIABILITIES AND STOCKHOLDERS’ EQUITY	$ 71,038	$ 71,922

Condensed Consolidated Balance Sheets (Current Period Unaudited) (Parentheticals) - $ / shares	Feb. 28, 2025	Nov. 30, 2024
Preferred stock, shares authorized (in shares)	5,000,000	5,000,000
Preferred stock, shares issued (in shares)	0	0
Preferred stock, par value (in dollars per share)	$ 0.001	$ 0.001
Common stock, par value (in dollars per share)	$ 0.001	$ 0.001
Common stock, shares authorized (in shares)	50,000,000	50,000,000
Common stock, shares issued (in shares)	25,182,452	25,010,976
Common stock, shares outstanding (in shares)	22,667,235	22,495,759
Treasury stock, shares (in shares)	2,515,217	2,515,217

Condensed Consolidated Statements of Operations and Comprehensive Income (Loss) (Unaudited) - USD ($) $ in Thousands	3 Months Ended	
	Feb. 28, 2025	Feb. 29, 2024
Net revenue	$ 26,190	$ 16,654
Cost of goods sold	10,266	7,015
Gross profit	15,924	9,639
Operating expenses	14,228	9,803
INCOME (LOSS) FROM OPERATIONS	1,696	(164)
OTHER INCOME (EXPENSE)		
Foreign currency transaction loss	(80)	(58)
Interest income	186	280
Loss from joint venture	0	(42)
Other income	0	1
INCOME BEFORE INCOME TAXES	1,802	17
Income tax provision	(140)	0
NET INCOME	1,662	17
Foreign exchange translation adjustment	(130)	(115)
Unrealized gain on marketable debt securities	60	0
COMPREHENSIVE INCOME (LOSS)	$ 1,592	$ (98)
Basic net income per share (in dollars per share)	$ 0.07	$ 0
Diluted net income per share (in dollars per share)	$ 0.07	$ 0
Weighted-average number of common shares outstanding - basic (in shares)	22,587,099	22,035,249
Weighted-average number of common shares outstanding - diluted (in shares)	24,098,635	22,838,827

Condensed Consolidated Statements of Cash Flows (Unaudited) - USD ($) $ in Thousands	3 Months Ended		
	Feb. 28, 2025	Feb. 29, 2024	Feb. 28, 2024
CASH FLOWS FROM OPERATING ACTIVITIES			
Net income for the period	$ 1,662	$ 17	$ 17
Adjustments to reconcile net income to net cash provided by (used in) operating activities:			
Stock-based compensation expense	840	938	
Depreciation and amortization	440	338	
Amortization of debt issuance costs	0	4	
Operating lease costs	234	117	
Loss from joint venture	0	42	
Deferred tax (benefit) provision	369	0	
Changes in assets and liabilities:			
Accounts receivable	(270)	1,409	
Deferred revenue	(1,315)	731	
Inventory	(3,210)	1,762	
Prepaid expenses and other current assets	(460)	(263)	
Other assets	(40)	0	
Accounts payable and accrued liabilities	(1,925)	(1,027)	
Operating lease liabilities	(102)	(126)	
NET CASH PROVIDED BY (USED IN) OPERATING ACTIVITIES	(3,777)	3,942	
CASH FLOWS FROM INVESTING ACTIVITIES			
Purchases of property and equipment	(2,642)	(171)	
Purchases of marketable debt securities	(2,656)		
NET CASH USED IN INVESTING ACTIVITIES	(5,298)	(171)	
CASH FLOWS FROM FINANCING ACTIVITIES			
Proceeds from stock option exercises	93	10	
Payment of taxes withheld on issuance of restricted stock units	(67)	0	
NET CASH PROVIDED BY FINANCING ACTIVITIES	26	10	
Effects of foreign currency exchange rate changes	(111)	(103)	
NET INCREASE (DECREASE) IN CASH AND CASH EQUIVALENTS FOR THE PERIOD	(9,160)	3,678	
CASH AND CASH EQUIVALENTS, BEGINNING OF PERIOD	16,829	20,498	$ 20,498
CASH AND CASH EQUIVALENTS, END OF PERIOD	$ 7,669	$ 24,176	

Condensed Consolidated Statements of Changes in Stockholders' Equity (Unaudited) - USD ($) $ in Thousands	Common Stock [Member]	Additional Paid-in Capital [Member]	Treasury Stock, Common [Member]	Retained Earnings [Member]	AOCI Attributable to Parent [Member]	Total
Balance (in shares) at Nov. 30, 2023	24,168,014					
Balance at Nov. 30, 2023	$ 24	$ 130,426	$ (17,500)	$ (69,575)	$ (1,056)	$ 42,319
Balance (in shares) at Nov. 30, 2023			(2,165,987)			
Stock-based compensation	$ 0	938	$ 0	0	0	938
Issuance of common stock pursuant to exercise of stock options (in shares)	167,967		0			
Issuance of common stock pursuant to exercise of stock options	$ 0	10	$ 0	0	0	10
Issuance of common stock pursuant to vesting of restricted stock units (in shares)	39,773		0			
Issuance of common stock pursuant to vesting of restricted stock units	$ 0	0	$ 0	0	0	0
Net income for the period	0	0	0	17	0	17
Foreign exchange translation adjustment	$ 0	0	0	0	(115)	(115)
Balance (in shares) at Feb. 28, 2024	24,375,754					
Balance at Feb. 28, 2024	$ 24	131,374	$ (17,500)	(69,558)	(1,171)	43,169
Balance' (in shares) at Feb. 28, 2024			(2,165,987)			
Balance (in shares) at Nov. 30, 2024	25,010,976					
Balance at Nov. 30, 2024	$ 25	133,029	$ (21,253)	(56,783)	(649)	$ 54,369
Balance (in shares) at Nov. 30, 2024			(2,515,217)			(2,515,217)
Stock-based compensation	$ 0	840	$ 0	0	0	$ 840
Issuance of common stock pursuant to exercise of stock options (in shares)	74,551		0			102,329
Issuance of common stock pursuant to exercise of stock options	$ 0	93	$ 0	0	0	$ 93
Issuance of common stock pursuant to vesting of	96,925		0			

restricted stock units (in shares)						
Issuance of common stock pursuant to vesting of restricted stock units	$ 0	(67)	$ 0	0	0	(67)
Net income for the period	0	0	0	1,662	0	1,662
Unrealized gain on marketable securities	0	0	0	0	60	60
Foreign exchange translation adjustment	$ 0	0	0	0	(130)	(130)
Balance (in shares) at Feb. 28, 2025	25,182,452					
Balance at Feb. 28, 2025	$ 25	$ 133,895	$ (21,253)	$ (55,121)	$ (719)	$ 56,827
Balance' (in shares) at Feb. 28, 2025			(2,515,217)			(2,515,217)

Note 1 - Nature of Operations	3 Months Ended Feb. 28, 2025
Notes to Financial Statements	
Nature of Operations [Text Block]	**1. NATURE OF OPERATIONS** Byrna Technologies Inc. (the “Company” or “Byrna”) is a technology company, specializing in next generation alternatives to traditional firearms without the risk of taking a life. The Company's launchers can be used for self-defense and personal security by consumers in all 50 states without a firearms license, subject to local regulations. The Company also sells accessories, pepper sprays, and other personal safety tools. Most of the sales are to consumers in the United States via the Company's e-commerce site, its Amazon storefront, its four Company owned brick and mortar locations, and through retailers, including big box stores. The Company's products also may be sold to private security and public security officers. Since 2020, the Company has not manufactured or sold any products to or for use by the military. The Company operates two manufacturing facilities, a 30,000 square foot facility located in Fort Wayne, Indiana and a 20,000 square foot manufacturing facility located in Pretoria, South Africa.

Note 2 - Operations and Management Plans	3 Months Ended Feb. 28, 2025
Notes to Financial Statements	
Operations and Management Plans Disclosure [Text Block]	**2. OPERATIONS AND MANAGEMENT PLANS** From inception to February 28, 2025, the Company has incurred an accumulated deficit of approximately $55.1 million. The Company has funded operations through the issuance of the Company's common stock par value $0.001 per share (“Common Stock”) until reaching profitability. The Company generated net income of $1.7 million for the three months ended February 28, 2025. The Company’s future success is dependent upon its ability to continue to raise sufficient capital or generate adequate revenues, to cover its ongoing operating expenses, and also to continue to develop and be able to profitably market its products.

Note 3 - Basis of Presentation	3 Months Ended
	Feb. 28, 2025
Notes to Financial Statements	
Basis of Accounting [Text Block]	**3. BASIS OF PRESENTATION** These unaudited condensed consolidated financial statements for the three months ended February 28, 2025 and February 29, 2024 include the accounts of the Company and its subsidiaries. These unaudited condensed consolidated financial statements have been prepared in accordance with the instructions to Form 10-Q and therefore do not include all information and footnotes necessary for a fair presentation of financial position, results of operations and cash flows in conformity with generally accepted accounting principles in the United States of America (“GAAP”); however, such information reflects all adjustments consisting solely of normal recurring adjustments, which are, in the opinion of management, necessary for a fair presentation of the results for the interim periods. All significant intercompany accounts and transactions have been eliminated in consolidation. The unaudited condensed consolidated financial statements should be read in conjunction with the consolidated financial statements and notes thereto together with management’s discussion and analysis of financial condition and results of operations contained in the Company's annual report on Form 10-K for the year ended November 30, 2024. In the opinion of management, the accompanying unaudited condensed consolidated financial statements, the results of its operations for the three months ended February 28, 2025 and February 29, 2024, and its cash flows for the three months ended February 28, 2025 and February 29, 2024 are not necessarily indicative of results to be expected for the full year.

Note 4 - Use of Estimates	3 Months Ended Feb. 28, 2025
Notes to Financial Statements	
Use of Estimates [Text Block]	**4.** **USE OF ESTIMATES** The preparation of financial statements in conformity with GAAP requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities at the date of the financial statements and the reported amounts of revenue and expenses during the reporting period. Future events and their effects cannot be determined with certainty. Therefore, the determination of estimates requires the exercise of judgment. Actual results could differ from those estimates, and any such differences may be material to our condensed consolidated financial statements. Significant estimates include assumptions about stock-based compensation expense, valuation for deferred tax assets, incremental borrowing rate on leases, useful life of long-lived assets, inventory reserves, and allowance for credit losses.

Note 5 - Recent Accounting Guidance	3 Months Ended Feb. 28, 2025
Notes to Financial Statements	
Accounting Standards Update and Change in Accounting Principle [Text Block]	

5. RECENT ACCOUNTING GUIDANCE

The Company considers the applicability and impact of all Accounting Standards Updates ("ASUs"). ASUs not discussed below were assessed and determined to be either not applicable or are expected to have minimal impact on the financial statements.

Accounting Pronouncements Issued but Not Adopted

The FASB also issued ASU 2023-07: Segment Reporting Topic 280 - Improvements to Reportable Segment Disclosures. This update requires expanded annual and interim disclosures for significant segment expenses that are regularly provided to the chief operating decision maker and included within each reported measure of segment profit or loss. This update will be effective for fiscal years beginning after December 15, 2023, and for interim periods within fiscal years beginning after December 15, 2024, and is to be applied retrospectively to all periods presented in the financial statements. The Company believes the adoption of ASU 2023-07 will not have a material impact on the consolidated financial statements.

In 2023, the FASB issued ASU 2023-09, Income Taxes (Topic 740): Improvements to Income Tax Disclosures. This update standardizes categories for the effective tax rate reconciliation, requires disaggregation of income taxes and additional income tax-related disclosures. This update is required to be effective for the Company for fiscal years beginning after December 15, 2024. The Company is evaluating the effect that ASU 2023-09 will have on its financial statements and disclosures.

In March 2024, the Financial Accounting Standards Board (FASB) issued ASU 2024-03, Income Statement—Reporting Comprehensive Income—Expense Disaggregation Disclosures (Subtopic 220-40): Disaggregation of Income Statement Expenses (as clarified by ASU 2025-01). This guidance focuses on the disaggregation of income statement expenses. This update requires entities to provide more detailed disclosures about the components of significant expense categories, enhancing the transparency and decision-usefulness of financial statements. The objective is to provide users with a clearer understanding of the nature and variability of expenses reported in the income statement. The standard is effective for annual periods of fiscal years beginning after December 15, 2026, and interim periods in years beginning after December 15, 2027 with early adoption permitted. The Company is currently assessing the impact of ASU 2024-03 on our financial statement disclosures. While we anticipate that the adoption of this standard will require additional disclosures, we do not expect it to have a material impact on our financial position or results of operations.

Note 6 - Goodwill	3 Months Ended Feb. 28, 2025
Notes to Financial Statements	
Goodwill Disclosure [Text Block]	**6. GOODWILL** Goodwill resulting from a business combination is not amortized but is reviewed for impairment annually or more frequently when events or changes in circumstances occur that would more likely than not reduce the fair value of a reporting unit below its carrying amount. The Company has the option to perform a qualitative assessment over goodwill when events occur or circumstances change that would, more likely than not, reduce the fair value of a reporting unit or to bypass the qualitative assessment in any period and proceed directly to performing the quantitative goodwill impairment test. If the Company concludes, based on the qualitative assessment, that the carrying value of a reporting unit would more likely than not exceed its fair value, a quantitative assessment is performed which is based upon a comparison of the reporting unit's fair value to its carrying value. The fair values used in this evaluation are estimated by the Company based upon future discounted cash flow projections for the reporting unit. An impairment charge is recognized for any amount by which the carrying amount of goodwill exceeds its fair value. The Company assesses goodwill for impairment at the reporting unit level, which is defined as an operating segment or one level below an operating segment, referred to as a component. The Company's operations constitute a single reporting unit and goodwill is assessed for impairment at the Company level as a whole.

Note 7 - Marketable Debt Securities	3 Months Ended Feb. 28, 2025
Notes to Financial Statements	
Investments in Debt and Marketable Equity Securities (and Certain Trading Assets) Disclosure [Text Block]	

7. MARKETABLE DEBT SECURITIES

Marketable debt securities consist of U.S. Treasury Securities and Corporate Bonds. Management determines the appropriate classification of these securities at the time they are acquired and evaluates the appropriateness of such classifications at each balance sheet date. The Company classifies its investments as available-for-sale pursuant to ASC 320, Investments—Debt and Equity Securities. Investments are recorded at fair value, with unrealized gains and losses included as a component of accumulated other comprehensive income (loss) in stockholders' equity and a component of total comprehensive loss in the consolidated statements of operations and comprehensive income (loss), until realized. Realized gains and losses are included in investment income on a specific-identification basis. The Company estimates expected credit losses for investments when unrealized losses exist. Unrealized losses that are credit related are recognized in the Company's Consolidated Statements of Operations and Comprehensive Income (Loss) and unrealized losses that are not credit related are recognized in accumulated other comprehensive income (loss). There were no realized gains or losses on investments for the months ended February 28, 2025. For the three months ended February 28, 2025, there were net unrealized gains on marketable debt securities of $0.1 million.

The following table summarizes our marketable securities and available-for-sale investments as of February 28, 2025 (in thousands):

	Cost	Unrealized Gains	Unrealized Losses	Fair Value	Investments
Corporate bonds	$ 3,686	$ 35	$ -	$ 3,721	$ 3,721
U.S. Treasury securities	7,836	63	-	7,899	7,899
Total	$ 11,522	$ 98	$ -	$ 11,620	$ 11,620

	February 28, 2025	
	Cost	Fair Value
Due within one year or less	$ 6,890	$ 6,964
Due after one year through five years	4,632	4,656
	$ 11,522	$ 11,620

The following table summarizes our marketable securities and available-for-sale investments as of November 30, 2024 (in thousands):

	Amortized Cost	Unrealized Gains	Unrealized Losses	Fair Value	Investments
Corporate bonds	$ 2,950	$ 18	$ -	$ 2,968	$ 2,968
U.S. Treasury securities	5,889	47	-	5,936	5,936
Total	$ 8,839	$ 65	$ -	$ 8,904	$ 8,904

Fair Value Measurement

The Company follows a consistent framework for measuring fair value and expands disclosure for each major asset and liability category measured at fair value on either a recurring or nonrecurring basis. Fair value is an exit price, representing the amount that would be received to sell an asset or paid to settle a liability in an orderly transaction between market participants. As such, fair value is a market-based measurement that should be determined based on assumptions that market participants would use in pricing an asset or liability. As a basis for considering such assumptions, a three-tier fair value hierarchy has been established, which prioritizes the inputs used in measuring fair value as follows:

- Level 1- Inputs are unadjusted, quoted prices in active markets for identical assets or liabilities at the measurement date.
- Level 2- Inputs (other than quoted prices included in Level 1) are either directly or indirectly observable for the asset or liability through correlation with market data at the measurement date and for the duration of the instrument's anticipated life.
- Level 3- Inputs reflect management's best estimate of what market participants would use in pricing the asset or liability at the measurement date. Consideration is given to the risk inherent in the valuation technique and the risk inherent in the inputs to the model.

The following table summarizes the fair value of marketable debt securities by level within the fair value hierarchy as of February 28, 2025:

			February 28, 2025		
			Fair Value Measurement Based on		
	Cost	Fair Value	Quoted Prices in Active Market (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)
Cash equivalents	$ 4,334	$ 4,334	$ 4,334	$ -	$ -
Corporate bonds	3,686	3,721	-	3,721	-
U.S. Treasury securities	7,836	7,899	-	7,899	-
Total	$ 15,856	$ 15,954	$ 4,334	$ 11,620	$ -

The following table summarizes the fair value of marketable debt securities by level within the fair value hierarchy as of November 30, 2024:

			November 30, 2024		
			Fair Value Measurement Based on		
	Cost	Fair Value	Quoted Prices in Active Market (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)
Cash equivalents	$ 11,304	$ 11,304	$ 11,304	$ -	$ -
Corporate bonds	2,950	2,968	-	2,968	-
U.S. Treasury securities	5,889	5,936	-	5,936	-
Total	$ 20,143	$ 20,208	$ 11,304	$ 8,904	$ -

Note 8 - Investment in Joint Venture	3 Months Ended Feb. 28, 2025
Notes to Financial Statements	
Equity Method Investments and Joint Ventures Disclosure [Text Block]	**8. INVESTMENT IN JOINT VENTURE** In January 2023, the Company acquired a 51% ownership interest in Byrna LATAM, a corporate joint venture formed to expand the Company's operations and presence in South American markets, for $0.5 million. The Company accounted for the investment in the joint venture using the equity method since the Company did not have voting control of Byrna LATAM. Additionally, the Company did not have substantive participating rights that would result in the Company having control of Byrna LATAM. On August 19, 2024, the Company sold its 51% ownership interest to Fusady S.A. for $1 (the "LATAM Share Purchase Agreement") and entered into an exclusive distribution, manufacturing and licensing agreement with Byrna LATAM (the "LATAM Licensing Agreement"). This LATAM Licensing Agreement allows Byrna LATAM to exclusively manufacture the Byrna SD launcher and ammunition in certain South American countries and requires Byrna LATAM to pay the Company a royalty on Byrna products manufactured. The amount of royalty earned during the three months ended February 28, 2025 and outstanding as of February 28, 2025 and November 30, 2024, was not material. The LATAM Share Purchase Agreement also includes put and call rights based on defined triggers which expire on August 19, 2029. In January 2023, the Company loaned $1.6 million to Byrna LATAM. The loan bore interest at a rate equal to Secured Overnight Financing Rate ("SOFR") plus 3.0%. Interest income related to the loan receivable was less than $0.1 million and $0.1 million for the three months ended February 28, 2025 and February 29, 2024 respectively. The interest income is included in interest income in the Condensed Consolidated Statements of Operations and Comprehensive Income (Loss). On August 19, 2024, the loan was amended to fix the loan amount at $1,431,112 plus accrued interest of $203,373 for a total loan amount of $1,634,485. The loan bears an annual rate of interest of 5% per annum. The loan will be repaid in twelve equal installments starting on August 19, 2025. The loan receivable was recorded as loan to joint venture in the Consolidated Balance Sheets until the consummation of the LATAM Share Purchase Agreement at which time the Company recorded the current portion of the loan as part of Prepaid expenses and other current assets and the non-current portion is recorded as part of the Other assets on the Condensed Consolidated Balance Sheet as of February 28, 2025 and November 30, 2024.

Note 9 - Advertising Costs	3 Months Ended Feb. 28, 2025
Notes to Financial Statements	
Advertising Costs [Text Block]	**9. ADVERTISING COSTS** Advertising costs are expensed as incurred and reported in Operating Expenses in the Condensed Consolidated Statements of Operations and Comprehensive Income (Loss), and include costs of advertising, tradeshows, and other activities designed to enhance demand for the Company's products. The Company recorded advertising costs of approximately $4.0 million for the three months ended February 28, 2025, and $2.8 million for the three months ended February 29, 2024.

Note 10 - Revenue, Deferred Revenue and Accounts Receivable	3 Months Ended
	Feb. 28, 2025

Notes to Financial Statements

Revenue, Deferred Revenue and Accounts Receivable [Text Block]

10. REVENUE, DEFERRED REVENUE AND ACCOUNTS RECEIVABLE

The Company generates most of its revenue through e-commerce portals to consumers, as well as wholesale distribution of its products and accessories to dealers/distributors and retail stores. The Company also sells products to large end-users such as private security companies and law enforcement agencies. The Company does not manufacture or sell any products regulated by the Bureau of Alcohol, Tobacco, Firearms and Explosives or for military applications. Revenue is recognized upon transfer of control of goods to the customer, which generally occurs when title to goods is passed and risk of loss transfers to the customer. Depending on the contract terms, transfer of control is upon shipment of goods to or upon the customer's pick-up of the goods. Payment terms to customers other than e-commerce customers are generally 30-60 days for established customers, whereas new wholesale and large end-user customers have prepaid terms for their first order. The amount of revenue recognized is net of returns and discounts that the Company offers to its customers. Products purchased include a standard warranty that cannot be purchased separately. This allows customers to return defective products for repair or replacement within one year of sale. The Company also sells an extended warranty for the same terms over three years. The extended 3-year warranty can be purchased separately from the product and is classified as a service warranty. Since a warranty for the first year after sale is included and non-separable from all launcher purchases, the Company considers this extended warranty to represent a service obligation during the second and third years after sale. Therefore, the Company accumulates billings of these transactions on the balance sheet as deferred revenue, to be recognized on a straight-line basis during the second and third year after sale. The Company recognizes an estimated reserve based on its analysis of historical experience, and an evaluation of current market conditions.

The Company offers e-commerce customers a 14-day money-back guarantee, which allows for a full refund of the purchase price, excluding shipping charges, within 14 days from the date of delivery. The right of return creates a variable component to the transaction price and needs to be considered for any possible constraints. The Company estimates returns using the expected value method, as there will likely be a range of potential return amounts. The Company's reserve for returns under the 14-day money back guarantee for the three months ended February 28, 2025 and February 29, 2024 was immaterial.

The Company does not offer a money-back guarantee to dealers or retailers. These customers may request a return or credit for unforeseen reasons or may have agreed discounts or allowances to be netted from amounts invoiced. Accordingly, the Company reserves for returns, discounts and allowances based on past performance and on agreement terms and reports revenue net of the estimated reserve. The Company's reserve for returns, discounts, and allowances for the three months ended February 28, 2025 and February 29, 2024 was immaterial.

The Company accounts for shipping and handling activities related to contracts with customers as costs to fulfill the promise to transfer the associated products. Shipping and handling costs associated with the distribution of finished products to customers, are recorded in operating expenses in the accompanying Condensed Consolidated Statements of Operations and Comprehensive Income (Loss) and are recognized when the product is shipped to the customer.

Included as cost of goods sold are costs associated with the production and procurement of products, such as labor and overhead, inbound freight costs, manufacturing depreciation, purchasing and receiving costs, and inspection costs.

Accounts Receivable

The Company records accounts receivables due from dealers/distributers, large end-users such as retail stores, security companies, and law enforcement agencies. Accounts receivable, net of allowances, was $2.9 million, $2.6 million and $2.9 million as of February 28, 2025, November 30, 2024, and November 30, 2023, respectively.

Allowance for Expected Credit Losses

The Company estimates the balance of its allowance for expected credit losses. In determining the amount of the allowance for credit losses, the Company considers historical collectability based on past due status and makes judgments about the creditworthiness of customers based on ongoing credit evaluations. The Company also considers customer-specific information, current market conditions, and reasonable and supportable forecasts of future economic conditions. Account balances are written off against the allowance when it is determined that the receivable will not be recovered. As of February 28, 2025, November 30, 2024, and November 30, 2023, the total allowance for credit losses recorded was less than $0.1 million, $0.3 million and $0.6 million, respectively.

Deferred Revenue

The balance of deferred revenue, which relate to advance payments, unfulfilled e-commerce orders and amounts to be recognized under extended 3-year service warranty, as of February 28, 2025 and February 29, 2024 was $0.5 million and $2.7 million, respectively, and $1.8 million and $1.9 million as of November 30, 2024 and 2023, respectively.

	February 28, 2025	November 30, 2024
Deferred revenue balance, beginning of period	$ 1,808	$ 1,936
Net additions to deferred revenue during the period	16,155	66,120
Reductions in deferred revenue for revenue recognized during the period	(17,469)	(66,248)
Deferred revenue balance, end of period	494	1,808
Less current portion	483	1,791
Deferred revenue, non-current	$ 11	$ 17

Revenue Disaggregation

The following table presents disaggregation of the Company’s revenue by distribution channel (in thousands):

	Three Months Ended	
Distribution channel	**February 28, 2025**	**February 29, 2024**
Wholesale (dealer/distributors)	$ 6,029	$ 3,553
E-commerce (direct to consumers)	20,161	13,101
Total	$ 26,190	$ 16,654

Note 11 - Inventory

	3 Months Ended Feb. 28, 2025

Notes to Financial Statements

Inventory Disclosure [Text Block]

11. INVENTORY

The following table summarizes inventory (in thousands):

	February 28, 2025	November 30, 2024
Raw materials	$ 10,872	$ 10,307
Work in process	3,575	3,433
Finished goods	8,735	6,232
Total	$ 23,182	$ 19,972

Note 12 - Property and Equipment	3 Months Ended Feb. 28, 2025
Notes to Financial Statements	
Property, Plant and Equipment Disclosure [Text Block]	**12. PROPERTY AND EQUIPMENT**

The following table summarizes cost and accumulated depreciation (in thousands):

	February 28, 2025	November 30, 2024
Computer equipment and software	$ 804	$ 791
Furniture and fixtures	340	276
Leasehold improvements	1,473	1,048
Machinery and equipment	5,201	4,095
	7,818	6,210
Less: accumulated depreciation	3,167	2,802
Total	$ 4,651	$ 3,408

The Company recognized $0.4 million and $0.2 million in depreciation expense during the three months ended February 28, 2025 and February 29, 2024, respectively. Depreciation expense is presented in the operating expenses and within cost of goods sold in the accompanying Condensed Consolidated Statements of Operations and Comprehensive Income (Loss).

At February 28, 2025 and November 30, 2024, the Company had deposits of $3.7 million and $2.7 million, respectively, with vendors primarily for supply of machinery (molds) and equipment where the vendors have not completed the supply of these assets and is presented as Deposits for equipment in the Condensed Consolidated Balance Sheets.

Note 13 - Intangible Assets	3 Months Ended Feb. 28, 2025

Notes to Financial Statements

Intangible Assets Disclosure [Text Block]

13. INTANGIBLE ASSETS

The components of intangible assets were as follows (in thousands):

	Estimated Useful Lives in Years	Balance at February 28, 2025			Balance at November 30, 2024		
		Gross Carrying Amount	Accumulated Amortization	Net Carrying Amount	Gross Carrying Amount	Accumulated Amortization	Net Carrying Amount
Patents	10-17	$ 3,955	$ (1,042)	$ 2,913	$ 3,955	$ (978)	$ 2,977
Trademarks	Indefinite	360	—	360	360	—	360
Customer List	2	70	(70)	—	70	(70)	—
Total		**$ 4,385**	**$ (1,112)**	**$ 3,273**	**$ 4,385**	**$ (1,048)**	**$ 3,337**

The trademarks have an indefinite life and are assessed annually for impairment. All other intangible assets are finite-lived.

Intangible assets amortization expenses are recorded within operating expenses in the accompanying Condensed Consolidated Statemen Comprehensive Income (Loss). Total intangible assets amortization expense for the three months ended February 28, 2025 and February million and $0.1 million, respectively.

Estimated future amortization expense related to intangible assets as of February 28, 2025 are as follows (in thousands):

Fiscal Year Ending November 30,	
2025 (remaining nine months)	$ 192
2026	257
2027	257
2028	257
2029	257
Thereafter	1,693
Total	**$2,913**

Note 14 - Accounts Payable and Accrued Liabilities	3 Months Ended Feb. 28, 2025
Notes to Financial Statements	
Accounts Payable and Accrued Liabilities Disclosure [Text Block]	**14. ACCOUNTS PAYABLE AND ACCRUED LIABILITIES** The Company's accounts payable and accrued liabilities consist of the following (in thousands):

	February 28, 2025	November 30, 2024
Trade payables	$ 8,272	$ 7,715
Accrued sales and use tax	436	570
Accrued personnel costs	1,974	4,193
Accrued professional fees	322	124
Other accrued liabilities	178	506
Total	$ 11,182	$ 13,108

Note 15 - Stockholders' Equity	3 Months Ended Feb. 28, 2025
Notes to Financial Statements	
Equity [Text Block]	**15. STOCKHOLDERS' EQUITY** **Stock Buyback Program** On July 31, 2024, the Company's Board of Directors approved a plan to buy back up to $10 million worth of shares of Common Stock (the "Stock Buyback Program"). The Company's Stock Buyback Plan is intended to return capital to shareholders and to minimize the dilutive impact of stock options and other share-based awards. The Stock Buyback Program will expire on the sooner of the two-year anniversary of its initiation or until the Company reaches the aggregate limit of $10 million for the repurchases under the program. The repurchased shares are recorded as part of treasury stock and are accounted for under the cost method. No repurchases were made during the three months ended February 28, 2025. As of February 28, 2025, 0.3 million shares of common stock have been repurchased for $3.8 million.

Note 16 - Stock-based Compensation

Notes to Financial Statements

Share-Based Payment Arrangement [Text Block]

3 Months Ended Feb. 28, 2025

16. STOCK-BASED COMPENSATION

2020 Plan

On October 23, 2020, the Company's Board of Directors approved and on November 19, 2020, the stockholders approved the Byrna Technologies Inc. 2020 Equity Incentive Plan (the "2020 Plan"). The aggregate number of shares of Common Stock available for issuance in connection with options and other awards granted under the 2020 Plan is 3,800,000 shares. The 2020 Plan is administered by the Compensation Committee of the Board. The Compensation Committee determines the persons to whom options to purchase shares of Common Stock, stock appreciation rights ("SARs"), restricted stock units ("RSUs"), and restricted or unrestricted shares of Common Stock may be granted. Persons eligible to receive awards under the 2020 Plan are employees, officers, directors, consultants, advisors and other individual service providers of the Company. Awards are at the discretion of the Compensation Committee.

The Company accounts for all stock-based payment awards granted to employees and non-employees as stock-based compensation expense at their grant date fair value. The Company's stock-based payments include stock options, RSUs, and incentive warrants. The measurement date for employee awards is the date of grant, and stock-based compensation costs are recognized as expense over the employees' requisite service period, on a straight-line basis. The measurement date for non-employee awards is generally the date the services were completed, resulting in financial reporting period adjustments to stock-based compensation during either the expected term or the contractual term. Stock-based compensation costs for non-employees are recognized as expense over the vesting period on a straight-line basis. Forfeitures are accounted for as they occur.

The fair value of each grant is estimated on the date of grant by using either the Black-Scholes, Binomial Lattice, or the quoted stock price on the date of grant, unless the awards are subject to market conditions in which case the Company uses the Monte Carlo simulation model. Due to the Company's limited history, the expected term of the Company's stock options granted to employees has been determined utilizing the method as prescribed by the SEC's Staff Accounting Bulletin, Topic 14. The risk-free interest rate is determined by reference to the U.S. Treasury yield curve in effect at the time of grant of the award for time periods approximately equal to the expected term of the award. Expected dividend yield is based on the fact that the Company has never paid cash dividends on Common Stock and does not expect to pay any cash dividends in the foreseeable future.

Stock-Based Compensation Expense

Stock-based compensation costs are recognized as expense over the employee's requisite service period, on a straight-line basis. Total stock-based compensation expense was $0.8 million and $0.9 million for the three months ended February 28, 2025 and February 29, 2024, respectively. Total stock-based compensation expense was recorded in Operating expenses in the accompanying Condensed Consolidated Statements of Operations and Comprehensive Income (Loss).

Restricted Stock Units

During the three months ended February 28, 2025 the Company did not grant RSUs. During the three months ended February 29, 2024, the Company granted 600,000 of the RSU's with a "double trigger" for vesting based on stock price and time, as follows: (1) one-third of the RSUs would be triggered when the Company's stock trades above $6.00 on a 20-day VWAP, the second one-third of the RSUs would be triggered when the Company's stock trades above $9.00 on a 20-day VWAP, and the final one-third of the RSUs would be triggered when the stock trades above $12.00 on a 20-day VWAP and (2) the employee must remain employed by the Company for three years from the effective date for the RSUs to vest. The Company granted 97,974 time-based RSU's during the three months ended February 29, 2024. Stock-based compensation expense for the RSUs for the three months ended February 28, 2025 and February 29, 2024 was $0.4 million and $0.5 million, respectively.

The assumptions that the Company used in a Monte Carlo simulation model to determine the grant-date fair value of RSUs granted with a double trigger for the three months ended February 29, 2024 were as follows:

Risk free rate		4.33%
Expected dividends	$	—
Expected volatility		33%
Expected life (in years)		2.7
Market price of the Company's Common Stock on date of grant	$	6.03

As of February 28, 2025, there was $2.0 million of unrecognized stock-based compensation cost related to unvested RSUs which is expected to be recognized over a weighted average of 1.4 years.

The following table summarizes the RSU activity during the three months ended February 28, 2025:

	RSUs
Unvested and outstanding as of November 30, 2024	915,230
Granted	—
Settled	(97,197)
Forfeited	—
Unvested and outstanding at February 28, 2025	818,033

Of the 97,197 restricted units issued, 272 units were returned to the Company in exchange for the Company paying for the payroll withholding taxes. For the three months ended February 28, 2025, RSUs of 96,925, net, were issued.

Stock Options

The Company recorded stock-based compensation expense for options granted to its employees and directors of $0.4 million and $0.4 million during the three months ended February 28, 2025 and February 29, 2024, respectively. As of February 28, 2025, there was $0.9 million of unrecognized stock-based compensation cost related to unvested stock options which is expected to be recognized over a weighted average period of 1.3 years.

Stock Option Valuation

The fair value of stock options at the date of grant was estimated using the Black Scholes option pricing model. The assumptions that the Company used to determine the grant-date fair value of stock options granted for the three months ended February 29, 2024 were as follows:

Risk free rate		4.10%
Expected dividends	$	—
Expected volatility		75.75%

Expected life (in years)		6.5
Market price of the Company's Common Stock on date of grant	$	6.89

The following table summarizes option activity under the 2020 Plan during the three months ended February 28, 2025:

	Stock Options	Weighted-Average Exercise Price Per Stock Option
Outstanding, November 30, 2024	1,241,839	$ 9.11
Granted	—	—
Exercised	(102,329)	9.16
Expired	(586)	1.90
Forfeited	—	—
Outstanding, February 28, 2025	1,138,924	$ 9.13
Exercisable, February 28, 2025	835,092	$ 9.49

Of the 102,329 shares issued upon exercise of options, 27,778 options were surrendered due to cashless exercise.

Note 17 - Earnings Per Share

	3 Months Ended
	Feb. 28, 2025

Notes to Financial Statements

Earnings Per Share [Text Block]

17. EARNINGS PER SHARE

For the three months ended February 28, 2025 and February 29, 2024, the Company recorded net income and, as such, used diluted weighted-average common shares outstanding when calculating diluted income per share for the three months ended February 28, 2025. Stock options and RSUs that could potentially dilute basic earnings per share ("EPS") in the future are included in the computation of diluted income per share.

	For the Three Months Ended	
	February 28, 2025	February 29, 2024
Net income	$ 1,662	$ 17
Weighted-average number of shares used in computing net income per share, basic	22,587,099	22,035,249
Net income per share - basic	$ 0.07	$ -
Weighted-average number of shares used in computing net income per share, diluted	24,098,635	22,838,827
Net income per share - diluted	$ 0.07	$ -

The following table reconciles the weighted-average common shares outstanding used in the calculation of basic EPS to the weighted-average common shares outstanding used in the calculation of diluted EPS for the three months ended February 28, 2025 and February 29, 2024:

	For the Three Months Ended	
	February 28, 2025	February 29, 2024
Weighted-average common shares outstanding- basic	22,587,099	22,035,249
Assumed conversion of:		
Dilutive stock options	720,689	37,014
Dilutive RSUs	790,847	766,564
Weighted-average common share outstanding- diluted	24,098,635	22,838,827

The following potential common shares, presented based on amounts outstanding at each period end, were excluded from the calculation of diluted net loss per share attributable to common stockholders for the periods indicated because including them would have had an anti-dilutive effect:

For the Three Months Ended	
February 28,	February 29,

	2025	2024
Options	—	1,130,166
RSUs	—	301,667
Total	—	1,431,833

Note 18 - Related Party Transactions	3 Months Ended Feb. 28, 2025
Notes to Financial Statements	
Related Party Transactions Disclosure [Text Block]	**18. RELATED PARTY TRANSACTIONS** The following transactions are in the normal course of operations and are measured at the amount of consideration established and agreed to by related parties. Amounts due to related parties are unsecured, non-interest bearing and due on demand. The Company subleases office premises at its Massachusetts headquarters to a corporation owned and controlled by the Chief Executive Officer ("CEO") of the Company beginning July 1, 2020, with no stated termination date. Sublease payments received were a nominal amount for the three months ended February 28, 2025 and February 29, 2024. Fusady is owned, in equal 25% shares, by four individual investors. These four individuals also each own 25% of Bersa S.A. Bersa S.A. is a distributor of the Company's products in Argentina. There were no sales to Bersa S.A. during the three months ended February 28, 2025 and February 29, 2024. Because of the divesture of the joint venture in August 2024 (see Note 8), Fusady is no longer considered a related party.

Note 19 - Leases

Notes to Financial Statements

Lessee, Operating Leases [Text Block]

	3 Months Ended Feb. 28, 2025

19. LEASES

Operating Leases

The Company has operating leases for real estate in the United States and South Africa and does not have any finance leases.

In 2019, the Company entered into a real estate lease for office space in Andover, Massachusetts. In August 2021, the lease was amended to include additional space and extend the term of the existing space by one year. The new lease expiration date is February 29, 2028.

The Company leases office and warehouse space in South Africa. The Company has exercised its right to extend the lease for an additional year. The lease, which was originally set to expire in December 2024, was extended to December 2025.

The Company leased warehouse and manufacturing space in Fort Wayne, Indiana. The lease was to expire on July 31, 2025. Commencing in August 2022, the Company sub-leased the former Fort Wayne facility. The amount received from the sub-lease was immaterial. In March 2024, the Company terminated the lease and sublease.

Commencing in July 2024, the Company entered into a new operating lease for warehouse and retail office space located in Fort Wayne, Indiana. The lease term is for seven years, commencing on July 15, 2024 and expiring on July 14, 2029. As of February 28, 2025, the total right-of-use asset amounting to $0.3 million and the corresponding lease liability of $0.3 million are reflected in the Company's financial statements.

The Company also leases office space in Las Vegas, Nevada, which expires on January 31, 2027. The base rent is less than $0.1 million per month.

Commencing in August 2024, the Company entered into a new operating lease for retail office space located in Salem, New Hampshire. The lease term is for seven years, commencing on August 22, 2024 and expiring on August 21, 2029. As of February 28, 2025, the total right-of-use asset amounting to $0.1 million and the corresponding lease liability of $0.1 million are reflected in the Company's financial statements.

Commencing in August 2024, the Company entered into a new operating lease for retail office space located in Scottsdale, Arizona. The lease term is for ten years, commencing on August 27, 2024 and expiring on July 31, 2032. As of February 28, 2025, the total right-of-use asset amounting to $0.7 million and the corresponding lease liability of $0.6 million are reflected in the Company's financial statements.

Commencing in November 2024, the Company entered into a new operating lease for retail office space located in Franklin, Tennessee. The lease term is for five and a half years, commencing on November 1, 2024 and expiring on April 30, 2030. As of February 28, 2025, the total right-of-use asset amounting to $0.2 million and the corresponding lease liability of $0.3 million are reflected in the Company's consolidated financial statements.

Certain of the Company’s leases contain options to renew and extend lease terms and options to terminate leases early. Reflected in the right-of-use asset and lease liability on the Company’s balance sheets are the periods provided by renewal and extension options that the Company is reasonably certain to exercise, as well as the periods provided by termination options that the Company is reasonably certain to not exercise.

For the three months ended February 28, 2025, the elements of lease expense were as follows (in thousands):

	Three Months Ended February 28, 2025	Three Months Ended February 29, 2024
Lease Cost:		
Operating lease cost	$ 181	$ 160
Short-term lease cost	19	-
Total lease cost	$ 200	$ 160
Other Information:		
Cash paid for amounts included in the measurement of operating lease liabilities	$ 105	$ 169
Operating Leases:		
Weighted-average remaining lease term (in years)		4.6
Weighted-average discount rate		8.0%

Future lease payments under non-cancelable operating leases as of February 28, 2025 are as follows (in thousands):

Fiscal Year Ending November 30,	
2025 (nine months)	$ 555
2026	773
2027	669
2028	356
2029	266
Thereafter	387
Total lease payments	3,006
Less: imputed interest	471
Present value of operating lease liabilities	$ 2,535
Operating lease liabilities, current	$ 572
Operating lease liabilities, non-current	$ 1,963

Note 20 - Income Taxes	3 Months Ended Feb. 28, 2025
Notes to Financial Statements	
Income Tax Disclosure [Text Block]	**20. INCOME TAXES** For the three months ended February 28, 2025, the Company recorded $0.1 million of income tax expense. For the three months ended February 29, 2024, the Company recorded less than $0.1 million of income tax expense. For the three months ended February 28, 2025 and February 29, 2024, the effective tax rate was 6.4% and 0.0%, respectively. The Company's tax rate differs from the statutory rate of 21.0% due to the effects of state taxes net of federal benefit, the foreign tax rate differential as a result of Byrna South Africa, effects of permanent non-deductible expenses, and other effects.

Note 21 - Commitments and Contingencies	3 Months Ended Feb. 28, 2025
Notes to Financial Statements	
Commitments Disclosure [Text Block]	**21. COMMITMENTS AND CONTINGENCIES** **Legal Proceedings** In the ordinary course of our business, the Company may be subject to certain other legal actions and claims, including product liability, consumer, commercial, tax and governmental matters, which may arise from time to time. The Company does not believe it is currently a party to any pending legal proceedings. Notwithstanding, legal proceedings are subject to inherent uncertainties, and an unfavorable outcome could include monetary damages, and excessive verdicts can result from litigation, and as such, could result in a material adverse impact on the Company’s business, financial position, results of operations, and/or cash flows. Additionally, although the Company has specific insurance for certain potential risks, the Company may in the future incur judgments or enter into settlements of claims which may have a material adverse impact on the Company’s business, financial position, results of operations, and/or cash flows.

Note 22 - Segment and Geographical Disclosures	3 Months Ended Feb. 28, 2025
Notes to Financial Statements	
Segment Reporting Disclosure [Text Block]	**22. SEGMENT AND GEOGRAPHICAL DISCLOSURES**

The CEO, who is also the Chief Operating Decision Maker, evaluates the entire business as a single entity, which includes reviewing financial information and making business decisions based on the overall results of the business. As such, the Company's operations constitute a single operating segment and one reportable segment.

The tables below summarize the Company's revenue for the three months ended February 28, 2025 and February 29, 2024, respectively, by geographic region (in thousands):

Revenue:					
Three Months Ended	**U.S./ Mexico**	**South Africa**	**Europe/ South America/ Asia**	**Canada**	**Total**
February 28, 2025	$ 24,168	$ 151	$ 1,329	$ 542	$ 26,190
February 29, 2024	$ 15,538	$ 63	$ 517	$ 536	$ 16,654

Note 23 - Financial Instruments	3 Months Ended Feb. 28, 2025
Notes to Financial Statements	
Financial Instruments Disclosure [Text Block]	

23. FINANCIAL INSTRUMENTS

The Company is exposed to risks that arise from its use of financial instruments. This note describes the Company's objectives, policies and processes for managing those risks and the methods used to measure them.

i) Currency Risk

The Company held its cash balances within banks in the U.S. in U.S. dollars and with banks in South Africa in U.S. dollars and South African rand. The Company's operations are conducted in the U.S. and South Africa. The value of the South African rand against the U.S. dollar may fluctuate with changes in economic conditions.

During the three months ended February 28, 2025, in comparison to the prior year period, the U.S. dollar on average was stronger in relation to the South African rand, and upon the translation of the Company's subsidiaries' revenues, expenses, assets and liabilities held in South African rand. The Company recorded a translation adjustment loss of $0.1 million related to the South African rand during the three months ended February 28, 2025 and February 29, 2024, respectively.

The Company's South African subsidiary revenues, cost of goods sold, operating costs and capital expenditures are denominated in South African rand. Consequently, fluctuations in the U.S. dollar exchange rate against the South African rand increases the volatility of sales, cost of goods sold and operating costs and overall net earnings when translated into U.S. dollars. The Company is not using any forward or option contracts to fix the foreign exchange rates. Using a 10% fluctuation in the U.S. exchange rate, the impact on the income and stockholders' equity is not material.

ii) Credit Risk

Credit risk is the risk that one party to a financial instrument will cause a financial loss for the other party by failing to discharge an obligation. The financial instruments that potentially subject the Company to credit risk consist of cash and cash equivalents, marketable securities, accounts receivable, and the loan receivable from Byrna LATAM. The Company maintains cash and cash equivalents with high credit quality financial institutions located in the US and South Africa. The Company maintains cash and cash equivalents balances along with marketable securities with financial institutions in the US in excess of amounts insured by the Federal Deposit Insurance Corporation.

The Company provides credit to its customers in the normal course of its operations. It carries out, on a continuing basis, credit checks on its customers. As of February 28, 2025, three of the Company's customers accounted for approximately 26% of total accounts receivable. As of November 30, 2024, two of the Company's customers accounted for approximately 36% of total accounts receivable.

The Company loaned $1.6 million to Byrna LATAM in January 2023 (see Note 8). The Company determines if an estimate for a credit loss on this loan is needed by considering the financial position of Byrna LATAM, the current economic environment, collections on our accounts receivable balances with Byrna LATAM, as well reasonable and supportable forecasts to support the payment of this loan. The Company reviews these factors quarterly to determine if any adjustments are needed.

The Company’s marketable debt securities consist of U.S. Treasury Securities, and Corporate Bonds. The Company’s investment policy limits the amounts the Company may invest in any one type of investment and requires all investments held by the Company to be at least AA-/Aa3 rated, thereby reducing credit risk exposure.

Insider Trading Arrangements	3 Months Ended Feb. 28, 2025
Trading Arrangements, by Individual [Table]	
Material Terms of Trading Arrangement [Text Block]	**ITEM 5. OTHER INFORMATION.** **Insider Adoption or Termination of Trading Arrangements**: During the fiscal quarter ended February 28, 2025, none of our directors or officers informed us of the adoption, modification or termination of a “Rule 10b5-1 trading arrangement” or “non-Rule 10b5-1 trading arrangement,” as those terms are defined in Regulation S-K, Item 408.
Non-Rule 10b5-1 Arrangement Adopted [Flag]	false
Non-Rule 10b5-1 Arrangement Terminated [Flag]	false
Rule 10b5-1 Arrangement Terminated [Flag]	false
Rule 10b5-1 Arrangement Adopted [Flag]	false

Note 7 - Marketable Debt Securities (Tables)

3 Months Ended Feb. 28, 2025

Notes Tables

Marketable Securities [Table Text Block]

	Cost	Unrealized Gains	Unrealized Losses	Fair Value	Investments
Corporate bonds	$ 3,686	$ 35	$ -	$ 3,721	$ 3,721
U.S. Treasury securities	7,836	63	-	7,899	7,899
Total	$11,522	$ 98	$ -	$11,620	$ 11,620

	Amortized Cost	Unrealized Gains	Unrealized Losses	Fair Value	Investments
Corporate bonds	$ 2,950	$ 18	$ -	$2,968	$ 2,968
U.S. Treasury securities	5,889	47	-	5,936	5,936
Total	$ 8,839	$ 65	$ -	$8,904	$ 8,904

Investments Classified by Contractual Maturity Date [Table Text Block]

	February 28, 2025	
	Cost	Fair Value
Due within one year or less	$ 6,890	$ 6,964
Due after one year through five years	4,632	4,656
	$ 11,522	$ 11,620

Fair Value, Assets Measured on Recurring Basis [Table Text Block]

			February 28, 2025		
			Fair Value Measurement Based on		
	Cost	Fair Value	Quoted Prices in Active Market (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)
Cash equivalents	$ 4,334	$ 4,334	$ 4,334	$ -	$ -
Corporate bonds	3,686	3,721	-	3,721	-
U.S. Treasury securities	7,836	7,899	-	7,899	-
Total	$15,856	$15,954	$ 4,334	$ 11,620	$ -

			November 30, 2024		
			Fair Value Measurement Based on		
	Cost	Fair Value	Quoted Prices in Active Market (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)
Cash equivalents	$11,304	$11,304	$ 11,304	$ -	$ -
Corporate bonds	2,950	2,968	-	2,968	-
U.S. Treasury securities	5,889	5,936	-	5,936	-
Total	$20,143	$20,208	$ 11,304	$ 8,904	$ -

Note 10 - Revenue, Deferred Revenue and Accounts Receivable (Tables)	3 Months Ended Feb. 28, 2025
Notes Tables	
Contract with Customer, Contract Asset, Contract Liability, and Receivable [Table Text Block]	(table below)
Disaggregation of Revenue [Table Text Block]	(table below)

	February 28, 2025	November 30, 2024
Deferred revenue balance, beginning of period	$ 1,808	$ 1,936
Net additions to deferred revenue during the period	16,155	66,120
Reductions in deferred revenue for revenue recognized during the period	(17,469)	(66,248)
Deferred revenue balance, end of period	494	1,808
Less current portion	483	1,791
Deferred revenue, non-current	$ 11	$ 17

	Three Months Ended	
Distribution channel	**February 28, 2025**	**February 29, 2024**
Wholesale (dealer/distributors)	$ 6,029	$ 3,553
E-commerce (direct to consumers)	20,161	13,101
Total	$ 26,190	$ 16,654

Note 11 - Inventory (Tables)	3 Months Ended Feb. 28, 2025
Notes Tables	
Schedule of Inventory, Current [Table Text Block]	

	February 28, 2025	November 30, 2024
Raw materials	$ 10,872	$ 10,307
Work in process	3,575	3,433
Finished goods	8,735	6,232
Total	$ 23,182	$ 19,972

Note 12 - Property and Equipment (Tables)	3 Months Ended Feb. 28, 2025

Notes Tables

Property, Plant and Equipment [Table Text Block]

	February 28, 2025	November 30, 2024
Computer equipment and software	$ 804	$ 791
Furniture and fixtures	340	276
Leasehold improvements	1,473	1,048
Machinery and equipment	5,201	4,095
	7,818	6,210
Less: accumulated depreciation	3,167	2,802
Total	$ 4,651	$ 3,408

Note 13 - Intangible Assets (Tables)	3 Months Ended Feb. 28, 2025
Notes Tables	
Schedule of Intangible Assets and Goodwill [Table Text Block]	(table below)
Schedule of Finite-Lived Intangible Assets, Future Amortization Expense [Table Text Block]	(table below)

		Balance at February 28, 2025			Balance at November 30, 2024		
	Estimated Useful Lives in Years	Gross Carrying Amount	Accumulated Amortization	Net Carrying Amount	Gross Carrying Amount	Accumulated Amortization	Net Carrying Amount
Patents	10-17	$ 3,955	$ (1,042)	$ 2,913	$ 3,955	$ (978)	$ 2,977
Trademarks	Indefinite	360	—	360	360	—	360
Customer List	2	70	(70)	—	70	(70)	—
Total		**$ 4,385**	**$ (1,112)**	**$ 3,273**	**$ 4,385**	**$ (1,048)**	**$ 3,337**

Fiscal Year Ending November 30,	
2025 (remaining nine months)	$ 192
2026	257
2027	257
2028	257
2029	257
Thereafter	1,693
Total	**$2,913**

Note 14 - Accounts Payable and Accrued Liabilities (Tables)	3 Months Ended
	Feb. 28, 2025
Notes Tables	
Schedule of Accounts Payable and Accrued Liabilities [Table Text Block]	(table below)

	February 28, 2025	November 30, 2024
Trade payables	$ 8,272	$ 7,715
Accrued sales and use tax	436	570
Accrued personnel costs	1,974	4,193
Accrued professional fees	322	124
Other accrued liabilities	178	506
Total	$ 11,182	$ 13,108

Note 16 - Stock-based Compensation (Tables)	3 Months Ended Feb. 28, 2025

Notes Tables

Schedule of Share-Based Payment Award, Stock Options, Valuation Assumptions [Table Text Block]

Risk free rate		4.33%
Expected dividends	$	—
Expected volatility		33%
Expected life (in years)		2.7
Market price of the Company’s Common Stock on date of grant	$	6.03
Risk free rate		4.10%
Expected dividends	$	—
Expected volatility		75.75%
Expected life (in years)		6.5
Market price of the Company’s Common Stock on date of grant	$	6.89

Share-Based Payment Arrangement, Restricted Stock and Restricted Stock Unit, Activity [Table Text Block]

	RSUs
Unvested and outstanding as of November 30, 2024	915,230
Granted	—
Settled	(97,197)
Forfeited	—
Unvested and outstanding at February 28, 2025	818,033

Share-Based Payment Arrangement, Option, Activity [Table Text Block]

	Stock Options		Weighted-Average Exercise Price Per Stock Option
Outstanding, November 30, 2024	1,241,839	$	9.11
Granted	—		—
Exercised	(102,329)		9.16
Expired	(586)		1.90
Forfeited	—		—
Outstanding, February 28, 2025	1,138,924	$	9.13
Exercisable, February 28, 2025	835,092	$	9.49

Note 17 - Earnings Per Share (Tables)	3 Months Ended Feb. 28, 2025

Notes Tables

Schedule of Earnings Per Share, Basic, by Common Class, Including Two Class Method [Table Text Block]

	For the Three Months Ended	
	February 28, 2025	February 29, 2024
Net income	$ 1,662	$ 17
Weighted-average number of shares used in computing net income per share, basic	22,587,099	22,035,249
Net income per share - basic	$ 0.07	$ -
Weighted-average number of shares used in computing net income per share, diluted	24,098,635	22,838,827
Net income per share - diluted	$ 0.07	$ -

Schedule of Weighted Average Number of Shares [Table Text Block]

	For the Three Months Ended	
	February 28, 2025	February 29, 2024
Weighted-average common shares outstanding- basic	22,587,099	22,035,249
Assumed conversion of:		
Dilutive stock options	720,689	37,014
Dilutive RSUs	790,847	766,564
Weighted-average common share outstanding- diluted	24,098,635	22,838,827

Schedule of Antidilutive Securities Excluded from Computation of Earnings Per Share [Table Text Block]

	For the Three Months Ended	
	February 28, 2025	February 29, 2024
Options	—	1,130,166
RSUs	—	301,667
Total	—	1,431,833

Note 19 - Leases (Tables)

3 Months Ended Feb. 28, 2025

Notes Tables

Lease, Cost [Table Text Block]

	Three Months Ended February 28, 2025	Three Months Ended February 29, 2024
Lease Cost:		
Operating lease cost	$ 181	$ 160
Short-term lease cost	19	-
Total lease cost	$ 200	$ 160
Other Information:		
Cash paid for amounts included in the measurement of operating lease liabilities	$ 105	$ 169
Operating Leases:		
Weighted-average remaining lease term (in years)		4.6
Weighted-average discount rate		8.0%

Lessee, Operating Lease, Liability, to be Paid, Maturity [Table Text Block]

Fiscal Year Ending November 30,	
2025 (nine months)	$ 555
2026	773
2027	669
2028	356
2029	266
Thereafter	387
Total lease payments	3,006
Less: imputed interest	471
Present value of operating lease liabilities	$ 2,535
Operating lease liabilities, current	$ 572
Operating lease liabilities, non-current	$ 1,963

Note 22 - Segment and Geographical Disclosures (Tables)

Notes Tables	3 Months Ended Feb. 28, 2025
Schedule of Segment Reporting Information, by Segment [Table Text Block]	see table below

Revenue:

Three Months Ended	U.S./ Mexico	South Africa	Europe/ South America/ Asia	Canada	Total
February 28, 2025	$24,168	$ 151	$ 1,329	$ 542	$26,190
February 29, 2024	$15,538	$ 63	$ 517	$ 536	$16,654

Note 1 - Nature of Operations (Details Textual)	Feb. 28, 2025 ft²
Number of Stores	4
Number of Facilities	2
Fort Wayne, Indiana [Member]	
Area of Real Estate Property (Square Foot)	30,000
Pretoria South Africa [Member]	
Area of Real Estate Property (Square Foot)	20,000

Note 2 - Operations and Management Plans (Details Textual) - USD ($) $ / shares in Units, $ in Thousands	3 Months Ended			
	Feb. 28, 2025	Feb. 29, 2024	Feb. 28, 2024	Nov. 30, 2024
Retained Earnings (Accumulated Deficit)	$ (55,121)			$ (56,783)
Common Stock, Par or Stated Value Per Share (in dollars per share)	$ 0.001			$ 0.001
Net Income (Loss) Attributable to Parent	$ 1,662	$ 17	$ 17	

Note 7 - Marketable Debt Securities (Details Textual) $ in Thousands	3 Months Ended Feb. 28, 2025 USD ($)
Debt Securities, Realized Gain (Loss)	$ 0
Debt Securities, Unrealized Gain (Loss)	$ 100

Note 7 - Marketable Debt Securities - Schedule of Securities (Details) - USD ($) $ in Thousands	Feb. 28, 2025	Nov. 30, 2024
Amortized cost	$ 11,522	$ 8,839
Unrealized gains	98	65
Unrealized losses	0	0
Fair value	11,620	8,904
Investments	11,620	8,904
Corporate Debt Securities [Member]		
Amortized cost	3,686	2,950
Unrealized gains	35	18
Unrealized losses	0	0
Fair value	3,721	2,968
Investments	3,721	2,968
US Treasury Securities [Member]		
Amortized cost	7,836	5,889
Unrealized gains	63	47
Unrealized losses	0	0
Fair value	7,899	5,936
Investments	$ 7,899	$ 5,936

Note 7 - Marketable Debt Securities - Schedule of Securities by Maturity (Details) - USD ($) $ in Thousands	Feb. 28, 2025	Nov. 30, 2024
Due within one year or less	$ 6,890	
Due within one year or less, fair value	6,964	
Due after one year through five years	4,632	
Due after one year through five years, fair value	4,656	
Debt securities, amortized cost	11,522	$ 8,839
Debt securities, fair value	$ 11,620	$ 8,904

Note 7 - Marketable Debt Securities - Schedule of Fair Value Measurement (Details) - USD ($) $ in Thousands	Feb. 28, 2025	Nov. 30, 2024
Fair value	$ 11,620	$ 8,904
Corporate Debt Securities [Member]		
Fair value	3,721	2,968
US Treasury Securities [Member]		
Fair value	7,899	5,936
Reported Value Measurement [Member]		
Cash equivalents	4,334	11,304
Total	15,856	20,143
Total	15,856	20,143
Reported Value Measurement [Member] | Corporate Debt Securities [Member]		
Fair value	3,686	2,950
Reported Value Measurement [Member] | US Treasury Securities [Member]		
Fair value	7,836	5,889
Estimate of Fair Value Measurement [Member]		
Cash equivalents	4,334	11,304
Total	15,954	20,208
Total	15,954	20,208
Estimate of Fair Value Measurement [Member] | Corporate Debt Securities [Member]		
Fair value	3,721	2,968
Estimate of Fair Value Measurement [Member] | US Treasury Securities [Member]		
Fair value	7,899	5,936
Estimate of Fair Value Measurement [Member] | Fair Value, Inputs, Level 1 [Member]		
Cash equivalents	4,334	11,304
Total	4,334	11,304
Total	4,334	11,304
Estimate of Fair Value Measurement [Member] | Fair Value, Inputs, Level 1 [Member] | Corporate Debt Securities [Member]		
Fair value	0	0
Estimate of Fair Value Measurement [Member] | Fair Value, Inputs, Level 1 [Member] | US Treasury Securities [Member]		
Fair value	0	0
Estimate of Fair Value Measurement [Member] | Fair Value, Inputs, Level 2 [Member]		
Cash equivalents	0	0
Total	11,620	8,904
Total	11,620	8,904
Estimate of Fair Value Measurement [Member] | Fair Value, Inputs, Level 2 [Member] | Corporate Debt Securities [Member]		
Fair value	3,721	2,968

Estimate of Fair Value Measurement [Member] | Fair Value, Inputs, Level 2 [Member] | US Treasury Securities [Member]		
Fair value	7,899	5,936
Estimate of Fair Value Measurement [Member] | Fair Value, Inputs, Level 3 [Member]		
Cash equivalents	0	0
Total	0	0
Total	0	0
Estimate of Fair Value Measurement [Member] | Fair Value, Inputs, Level 3 [Member] | Corporate Debt Securities [Member]		
Fair value	0	0
Estimate of Fair Value Measurement [Member] | Fair Value, Inputs, Level 3 [Member] | US Treasury Securities [Member]		
Fair value	$ 0	$ 0

Note 8 - Investment in Joint Venture (Details Textual) - USD ($)			3 Months Ended		
	Aug. 19, 2024	Jan. 10, 2023	Feb. 28, 2025	Feb. 29, 2024	Jan. 31, 2023
Interest Income, Financing Receivable, before Allowance for Credit Loss			$ 100,000	$ 100,000	
Byrna LATAM [Member]					
Loans and Leases Receivable, Related Parties	$ 1,634,485				$ 1,600,000
Loans Receivable, Basis Spread on Variable Rate					3.00%
Loans Receivable with Fixed Rates of Interest	1,431,112				
Interest Receivable	$ 203,373				
Loans, Receivable, Fixed Interest Rate.	5.00%				
Byrna LATAM [Member]					
Equity Method Investment, Ownership Percentage	51.00%	51.00%			
Payments to Acquire Equity Method Investments		$ 500,000			
Proceeds from Sale of Equity Method Investments	$ 1,000				

Note 9 - Advertising Costs (Details Textual) - USD ($) $ in Millions	3 Months Ended	
	Feb. 28, 2025	Feb. 29, 2024
Advertising Expense	$ 4.0	$ 2.8

Note 10 - Revenue, Deferred Revenue and Accounts Receivable (Details Textual) - USD ($) $ in Thousands	3 Months Ended			
	Feb. 28, 2025	Nov. 30, 2024	Feb. 29, 2024	Nov. 30, 2023
Standard Product Warranty, Term (Year)	1 year			
Extended Product Warranty, Term (Year)	3 years			
Accounts Receivable, after Allowance for Credit Loss, Current	$ 2,900	$ 2,630		$ 2,900
Accounts Receivable, Allowance for Credit Loss, Current	100	300		600
Contract with Customer, Liability	$ 494	$ 1,808	$ 2,700	$ 1,936

Note 10 - Revenue, Deferred Revenue and Accounts Receivable - Summary of Changes in Deferred Revenue (Details) - USD ($) $ in Thousands	3 Months Ended	12 Months Ended
	Feb. 28, 2025	Nov. 30, 2024
Deferred revenue balance, beginning of period	$ 1,808	$ 1,936
Net additions to deferred revenue during the period	16,155	66,120
Reductions in deferred revenue for revenue recognized during the period	(17,469)	(66,248)
Deferred revenue balance, end of period	494	1,808
Less current portion	483	1,791
Deferred revenue, non-current	$ 11	$ 17

Note 10 - Revenue, Deferred Revenue and Accounts Receivable - Revenue Disaggregation (Details) - USD ($) $ in Thousands	3 Months Ended		12 Months Ended
	Feb. 28, 2025	Feb. 29, 2024	Nov. 30, 2024
Revenues	$ 26,190	$ 16,654	$ 16,654
Wholesale (dealer/distributors) [Member]			
Revenues	6,029		3,553
E-commerce [Member]			
Revenues	$ 20,161		$ 13,101

Note 11 - Inventory - Summary of Inventory (Details) - USD ($) $ in Thousands	Feb. 28, 2025	Nov. 30, 2024
Raw materials	$ 10,872	$ 10,307
Work in process	3,575	3,433
Finished goods	8,735	6,232
Total	$ 23,182	$ 19,972

Note 12 - Property and Equipment (Details Textual) - USD ($) $ in Thousands	3 Months Ended		
	Feb. 28, 2025	Feb. 29, 2024	Nov. 30, 2024
Depreciation	$ 400	$ 200	
Deposits Assets, Noncurrent	$ 3,669		$ 2,665

Note 12 - Property and Equipment - Summary of Cost and Accumulated Depreciation (Details) - USD ($) $ in Thousands	Feb. 28, 2025	Nov. 30, 2024
Property, plant and equipment, gross	$ 7,818	$ 6,210
Less: accumulated depreciation	3,167	2,802
Total	4,651	3,408
Computer Equipment and Software [Member]		
Property, plant and equipment, gross	804	791
Furniture and Fixtures [Member]		
Property, plant and equipment, gross	340	276
Leasehold Improvements [Member]		
Property, plant and equipment, gross	1,473	1,048
Machinery and Equipment [Member]		
Property, plant and equipment, gross	$ 5,201	$ 4,095

Note 13 - Intangible Assets (Details Textual) - USD ($) $ in Millions	3 Months Ended	
	Feb. 28, 2025	Feb. 29, 2024
Amortization of Intangible Assets	$ 0.1	$ 0.1

Note 13 - Intangible Assets - Components of Intangible Assets (Details) - USD ($) $ in Thousands	Feb. 28, 2025	Nov. 30, 2024
Intangible assets, gross carrying amount	$ 4,385	$ 4,385
Intangible assets, accumulated amortization	(1,112)	(1,048)
Intangible assets, net carrying amount	3,273	3,337
Trademarks [Member]		
Intangible assets, gross carrying amount	360	360
Intangible assets, net carrying amount	360	360
Patents [Member]		
Intangible assets, gross carrying amount	3,955	3,955
Intangible assets, accumulated amortization	(1,042)	(978)
Intangible assets, net carrying amount	$ 2,913	2,977
Patents [Member] | Minimum [Member]		
Finite lived intangible assets, useful life (Year)	10 years	
Patents [Member] | Maximum [Member]		
Finite lived intangible assets, useful life (Year)	17 years	
Customer Lists [Member]		
Finite lived intangible assets, useful life (Year)	2 years	
Intangible assets, gross carrying amount	$ 70	70
Intangible assets, accumulated amortization	(70)	(70)
Intangible assets, net carrying amount	$ 0	$ 0

Note 13 - Intangible Assets - Estimated Future Amortization Expense (Details) $ in Thousands	Feb. 28, 2025 USD ($)
2025 (remaining nine months)	$ 192
2026	257
2027	257
2028	257
2029	257
Thereafter	1,693
Total	$ 2,913

Note 14 - Accounts Payable and Accrued Liabilities - Summary of Accounts Payable and Accrued Liabilities (Details) - USD ($) $ in Thousands	Feb. 28, 2025	Nov. 30, 2024
Trade payables	$ 8,272	$ 7,715
Accrued sales and use tax	436	570
Accrued personnel costs	1,974	4,193
Accrued professional fees	322	124
Other accrued liabilities	178	506
Total	$ 11,182	$ 13,108

Note 15 - Stockholders' Equity (Details Textual) - Stock Buyback Plan [Member] - USD ($) shares in Thousands, $ in Millions	3 Months Ended	7 Months Ended	
	Feb. 28, 2025	Feb. 28, 2025	Jul. 31, 2024
Share Repurchase Program, Authorized, Amount			$ 10.0
Treasury Stock, Shares, Acquired (in shares)	0	300	
Treasury Stock, Value, Acquired, Cost Method		$ 3.8	

Note 16 - Stock-based Compensation (Details Textual) - USD ($) $ / shares in Units, $ in Millions	3 Months Ended		
	Feb. 28, 2025	Feb. 29, 2024	Jun. 17, 2022
Share-Based Compensation Arrangement by Share-Based Payment Award, Options, Exercises in Period (in shares)	102,329		
Restricted Stock Units (RSUs), Excluding Time-based Units [Member]			
Share-Based Compensation Arrangement by Share-Based Payment Award, Non-Option Equity Instruments, Granted (in shares)	600,000		
Restricted Stock Units (RSUs) [Member]			
Share-Based Payment Arrangement, Expense	$ 0.4	$ 0.5	
Share-Based Compensation Arrangement by Share-Based Payment Award, Non-Option Equity Instruments, Granted (in shares)	0		
Share-Based Payment Arrangement, Nonvested Award, Excluding Option, Cost Not yet Recognized, Amount	$ 2.0		
Share-Based Payment Arrangement, Nonvested Award, Cost Not yet Recognized, Period for Recognition (Year)	1 year 4 months 24 days		
Stock Issued During Period, Shares, Restricted Stock Award, Gross (in shares)	97,197		
Share-Based Payment Arrangement, Shares Withheld for Tax Withholding Obligation (in shares)	272		
Stock Issued During Period, Shares, Restricted Stock Award, Net of Forfeitures (in shares)	96,925		
Restricted Stock Units (RSUs) [Member] | Share-Based Payment Arrangement, Tranche One [Member]			
Share-Based Compensation Arrangement by Share-Based Payment Award, Award Vesting Rights, Percentage	33.33%		
Share-based Compensation Arrangement by Share-based Payment Award, Award Vesting Rights, 20 Day Volume Weighted Average Closing Price (in dollars per share)	$ 6		
Restricted Stock Units (RSUs) [Member] | Share-Based Payment Arrangement, Tranche Two [Member]			
Share-Based Compensation Arrangement by Share-Based Payment Award, Award Vesting Rights, Percentage	33.33%		
Share-based Compensation Arrangement by Share-based Payment Award, Award Vesting Rights, 20 Day Volume Weighted Average Closing Price (in dollars per share)	$ 9		
Restricted Stock Units (RSUs) [Member] | Share-Based Payment Arrangement, Tranche Three [Member]			
Share-Based Compensation Arrangement by Share-Based Payment Award, Award Vesting Rights, Percentage	33.33%		
Share-based Compensation Arrangement by Share-based Payment Award, Award Vesting Rights, 20 Day Volume Weighted Average Closing Price (in dollars per share)	$ 12		
Restricted Stock Units (RSUs), Time-based [Member]			

Share-Based Compensation Arrangement by Share-Based Payment Award, Non-Option Equity Instruments, Granted (in shares)	97,974		
Share-Based Payment Arrangement, Option [Member]			
Share-Based Payment Arrangement, Expense	$ 0.4	0.4	
Share-Based Payment Arrangement, Nonvested Award, Cost Not yet Recognized, Period for Recognition (Year)	1 year 3 months 18 days		
Share-Based Payment Arrangement, Shares Withheld for Tax Withholding Obligation (in shares)	27,778		
Share-Based Payment Arrangement, Nonvested Award, Option, Cost Not yet Recognized, Amount	$ 0.9		
The 2020 Equity Incentive Plan (2020 Plan) [Member]			
Share-Based Compensation Arrangement by Share-Based Payment Award, Number of Shares Authorized (in shares)			3,800,000
Share-Based Payment Arrangement, Expense	$ 0.8	$ 0.9	

Note 16 - Stock-based Compensation - Valuation Assumptions (Details)	3 Months Ended Feb. 29, 2024 $ / shares
Restricted Stock Units (RSUs) [Member]	
Risk free rate	4.33%
Expected dividends	0.00%
Expected volatility	33.00%
Expected life (in years) (Year)	2 years 8 months 12 days
Market price of the Company’s Common Stock on date of grant (in dollars per share)	$ 6.03
Share-Based Payment Arrangement, Option [Member]	
Risk free rate	4.10%
Expected dividends	0.00%
Expected volatility	75.75%
Expected life (in years) (Year)	6 years 6 months
Market price of the Company’s Common Stock on date of grant (in dollars per share)	$ 6.89

Note 16 - Stock-based Compensation - Summary of RSU Activity (Details)	3 Months Ended Feb. 28, 2025 shares
Unvested and outstanding (in shares)	915,230
Unvested and outstanding (in shares)	818,033
Restricted Stock Units (RSUs) [Member]	
Granted, RSU (in shares)	0
Settled, RSU (in shares)	(97,197)
Forfeited, RSU (in shares)	0

Note 16 - Stock-based Compensation - Summary of Stock Option Activity (Details)	3 Months Ended Feb. 28, 2025 $ / shares shares
Outstanding, stock options (in shares) | shares	1,241,839
Outstanding, weighted-average exercise price per stock option (in dollars per share) | $ / shares	$ 9.11
Granted, stock options (in shares) | shares	0
Granted, weighted-average exercise price per share (in dollars per share) | $ / shares	$ 0
Exercised, stock options (in shares) | shares	(102,329)
Exercised, weighted-average exercise price per share (in dollars per share) | $ / shares	$ 9.16
Expired, stock options (in shares) | shares	(586)
Expired, weighted-average exercise price per share (in dollars per share) | $ / shares	$ 1.9
Forfeited, stock options (in shares) | shares	0
Forfeited, weighted-average exercise price per share (in dollars per share) | $ / shares	$ 0
Outstanding, stock options (in shares) | shares	1,138,924
Outstanding, weighted-average exercise price per stock option (in dollars per share) | $ / shares	$ 9.13
Exercisable, stock options (in shares) | shares	835,092
Exercisable, weighted-average exercise price per share (in dollars per share) | $ / shares	$ 9.49

Note 17 - Earnings Per Share - Allocation of Net Income (Loss) (Details) - USD ($) $ / shares in Units, $ in Thousands	3 Months Ended		
	Feb. 28, 2025	Feb. 29, 2024	Feb. 28, 2024
Net income for the period	$ 1,662	$ 17	$ 17
Weighted-average number of common shares outstanding - basic (in shares)	22,587,099	22,035,249	
Basic net income per share (in dollars per share)	$ 0.07	$ 0	
Weighted-average number of common shares outstanding - diluted (in shares)	24,098,635	22,838,827	
Diluted net income per share (in dollars per share)	$ 0.07	$ 0	

Note 17 - Earnings Per Share - Weighted-average Number of Shares Outstanding Reconciliation (Details) - shares	3 Months Ended	
	Feb. 28, 2025	Feb. 29, 2024
Weighted-average number of common shares outstanding - basic (in shares)	22,587,099	22,035,249
Dilutive stock options (in shares)	720,689	37,014
Dilutive RSUs (in shares)	790,847	766,564
Weighted-average common share outstanding- diluted (in shares)	24,098,635	22,838,827

Note 17 - Earnings Per Share - Summary of Antidilutive Securities (Details) - shares	3 Months Ended	
	Feb. 28, 2025	Feb. 29, 2024
Antidilutive securities (in shares)	0	1,431,833
Share-Based Payment Arrangement, Option [Member]		
Antidilutive securities (in shares)	0	1,130,166
Restricted Stock Units (RSUs) [Member]		
Antidilutive securities (in shares)	0	301,667

Note 19 - Leases (Details Textual) - USD ($) $ in Thousands	3 Months Ended Feb. 28, 2025	12 Months Ended Nov. 30, 2024
Operating Lease, Right-of-Use Asset	$ 2,218	$ 2,452
Operating Lease, Liability	$ 2,535	
Andover, Massachusetts [Member]		
Lease Expiration Date	Feb. 29, 2028	
Fort Wayne, Indiana [Member]		
Lease Expiration Date		Jul. 31, 2025
Fort Wayne, Indiana [Member] | Retail Office Space, Fort Wayne, Indiana [Member]		
Lease Expiration Date		Jul. 14, 2029
Lessee, Operating Lease, Term of Contract (Year)	7 years	
Operating Lease, Right-of-Use Asset	$ 300	
Operating Lease, Liability	300	
Las Vegas, Nevada [Member]		
Lease Expiration Date		Jan. 31, 2027
Operating Lease, Monthly Base Rent Expense	$ 100	
Salem, New Hampshire [Member] | Retail Office Space, Salem, New Hampshire [Member]		
Lease Expiration Date		Aug. 21, 2029
Lessee, Operating Lease, Term of Contract (Year)	7 years	
Operating Lease, Right-of-Use Asset	$ 100	
Operating Lease, Liability	$ 100	
Scottsdale, Arizona [Member] | Retail Office Space, Scottsdale, Arizona [Member]		
Lease Expiration Date		Jul. 31, 2032
Lessee, Operating Lease, Term of Contract (Year)	10 years	
Operating Lease, Right-of-Use Asset	$ 700	
Operating Lease, Liability	$ 600	
Franklin, Tennessee [Member] | Retail Office Space, Franklin, Tennessee [Member]		
Lease Expiration Date		Apr. 30, 2030
Lessee, Operating Lease, Term of Contract (Year)	5 years 6 months	
Operating Lease, Right-of-Use Asset	$ 200	
Operating Lease, Liability	$ 300	

Note 19 - Leases - Elements of Lease Expense (Details) - USD ($) $ in Thousands	3 Months Ended	
	Feb. 28, 2025	Feb. 29, 2024
Operating lease cost	$ 181	$ 160
Short-term lease cost	19	0
Total lease cost	200	160
Cash paid for amounts included in the measurement of operating lease liabilities	$ 105	$ 169
Operating Leases, Weighted-average remaining lease term (Year)		4 years 7 months 6 days
Weighted-average discount rate		8.00%

Note 19 - Leases - Future Lease Payments Under Non-cancelable Operating Leases (Details) - USD ($) $ in Thousands	Feb. 28, 2025	Nov. 30, 2024
2025 (nine months)	$ 555	
2026	773	
2027	669	
2028	356	
2029	266	
Thereafter	387	
Total lease payments	3,006	
Less: imputed interest	471	
Operating Lease, Liability	2,535	
Operating lease liabilities, current	572	$ 539
Operating lease liabilities, non-current	$ 1,963	$ 2,098

Note 20 - Income Taxes (Details Textual) - USD ($) $ in Thousands	3 Months Ended	
	Feb. 28, 2025	Feb. 29, 2024
Income Tax Expense (Benefit)	$ 140	$ 0
Effective Income Tax Rate Reconciliation, Percent	6.40%	0.00%
Effective Income Tax Rate Reconciliation, at Federal Statutory Income Tax Rate, Percent	21.00%	21.00%

Note 22 - Segment and Geographical Disclosures (Details Textual)	3 Months Ended Feb. 28, 2025
Number of Reportable Segments	1

Note 22 - Segment and Geographical Disclosures - Summary of Revenue, Long-lived Assets and Total Assets by Geographical Region (Details) - USD ($) $ in Thousands	3 Months Ended		12 Months Ended
	Feb. 28, 2025	Feb. 29, 2024	Nov. 30, 2024
Revenue	$ 26,190	$ 16,654	$ 16,654
UNITED STATES			
Revenue	24,168	15,538	
SOUTH AFRICA			
Revenue	151	63	
Europe/South America/Asia [Member]			
Revenue	1,329	517	
CANADA			
Revenue	$ 542	$ 536	

Note 23 - Financial Instruments (Details Textual)	3 Months Ended			12 Months Ended		
	Feb. 28, 2025 USD ($)	Feb. 29, 2024 USD ($)	Feb. 28, 2024 USD ($)	Nov. 30, 2024	Aug. 19, 2024 USD ($)	Jan. 31, 2023 USD ($)
Other Comprehensive Income (Loss), Foreign Currency Transaction and Translation Adjustment, Net of Tax, Portion Attributable to Parent	$ (130,000)	$ (115,000)	$ (115,000)			
US Tax Rate Percentage of Fluctuation	10.00%					
Byrna LATAM [Member]						
Loans and Leases Receivable, Related Parties					$ 1,634,485	$ 1,600,000
Customer Concentration Risk [Member] | Accounts Receivable [Member]						
Number of Customers	3			2		
Customer Concentration Risk [Member] | Accounts Receivable [Member] | Three Customers [Member]						
Concentration Risk, Percentage	26.00%					
Customer Concentration Risk [Member] | Accounts Receivable [Member] | Two Customers [Member]						
Concentration Risk, Percentage				36.00%		
SOUTH AFRICA						
Other Comprehensive Income (Loss), Foreign Currency Transaction and Translation Adjustment, Net of Tax, Portion Attributable to Parent	$ (100,000)	$ (100,000)				

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     "shortName": "Condensed Consolidated Statements of Changes in Stockholders' Equity (Unaudited)",
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     "longName": "006 - Disclosure - Note 1 - Nature of Operations",
     "shortName": "Note 1 - Nature of Operations",
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     "longName": "008 - Disclosure - Note 3 - Basis of Presentation",
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     "longName": "009 - Disclosure - Note 4 - Use of Estimates",

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  "shortName": "Note 4 - Use of Estimates",
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  "longName": "011 - Disclosure - Note 6 - Goodwill",
  "shortName": "Note 6 - Goodwill",
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  "longName": "012 - Disclosure - Note 7 - Marketable Debt Securities",
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  "longName": "013 - Disclosure - Note 8 - Investment in Joint Venture",
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  "longName": "015 - Disclosure - Note 10 - Revenue, Deferred Revenue and Accounts Receivable",
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  "longName": "018 - Disclosure - Note 13 - Intangible Assets",
  "shortName": "Note 13 - Intangible Assets",
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"R23": {
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"longName": "022 - Disclosure - Note 17 - Earnings Per Share",
"shortName": "Note 17 - Earnings Per Share",
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"R24": {
"role": "http://byrna.com/20250228/role/statement-note-18-related-party-transactions",
"longName": "023 - Disclosure - Note 18 - Related Party Transactions",
"shortName": "Note 18 - Related Party Transactions",
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"R25": {
"role": "http://byrna.com/20250228/role/statement-note-19-leases",
"longName": "024 - Disclosure - Note 19 - Leases",
"shortName": "Note 19 - Leases",
"isDefault": "false",
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"menuCat": "Notes",
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"R26": {
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"longName": "025 - Disclosure - Note 20 - Income Taxes",
"shortName": "Note 20 - Income Taxes",
"isDefault": "false",
"groupType": "disclosure",
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"R27": {
"role": "http://byrna.com/20250228/role/statement-note-21-commitments-and-contingencies",
"longName": "026 - Disclosure - Note 21 - Commitments and Contingencies",
"shortName": "Note 21 - Commitments and Contingencies",
"isDefault": "false",
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"subGroupType": "",
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"R28": {
"role": "http://byrna.com/20250228/role/statement-note-22-segment-and-geographical-disclosures",
"longName": "027 - Disclosure - Note 22 - Segment and Geographical Disclosures",
"shortName": "Note 22 - Segment and Geographical Disclosures",
"isDefault": "false",
"groupType": "disclosure",
"subGroupType": "",
"menuCat": "Notes",
"order": "28",
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"decimals": null,
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"R29": {
"role": "http://byrna.com/20250228/role/statement-note-23-financial-instruments",
"longName": "028 - Disclosure - Note 23 - Financial Instruments",
"shortName": "Note 23 - Financial Instruments",
"isDefault": "false",
"groupType": "disclosure",
"subGroupType": "",
"menuCat": "Notes",
"order": "29",
"firstAnchor": {
"contextRef": "d_2024-12-01_2025-02-28",
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"unitRef": null,
"xsiNil": "false",
"lang": "en-US",
"decimals": null,
"ancestors": [
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"html"
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"lang": "en-US",
"decimals": null,
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},
"R30": {
"role": "http://xbrl.sec.gov/ecd/role/InsiderTradingArrangements",
"longName": "995445 - Disclosure - Insider Trading Arrangements",
"shortName": "Insider Trading Arrangements",
"isDefault": "false",
"groupType": "disclosure",
"subGroupType": "",
"menuCat": "Notes",
"order": "30",
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"unitRef": null,
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"lang": "en-US",
"decimals": null,
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"R31": {
"role": "http://byrna.com/20250228/role/statement-note-7-marketable-debt-securities-tables",
"longName": "995475 - Disclosure - Note 7 - Marketable Debt Securities (Tables)",
"shortName": "Note 7 - Marketable Debt Securities (Tables)",
"isDefault": "false",
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"menuCat": "Tables",
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"unitRef": null,
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"lang": "en-US",
"decimals": null,
"ancestors": [
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"reportCount": 1,
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"decimals": null,
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"R32": {
"role": "http://byrna.com/20250228/role/statement-note-10-revenue-deferred-revenue-and-accounts-receivable-tables",
"longName": "995476 - Disclosure - Note 10 - Revenue, Deferred Revenue and Accounts Receivable (Tables)",
"shortName": "Note 10 - Revenue, Deferred Revenue and Accounts Receivable (Tables)",
"isDefault": "false",
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"subGroupType": "tables",
"menuCat": "Tables",
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"lang": "en-US",
"decimals": null,
"ancestors": [
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"reportCount": 1,
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"R33": {
"role": "http://byrna.com/20250228/role/statement-note-11-inventory-tables",
"longName": "995477 - Disclosure - Note 11 - Inventory (Tables)",
"shortName": "Note 11 - Inventory (Tables)",
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"R34": {
 "role": "http://byrna.com/20250228/role/statement-note-11-property-and-equipment-tables",
 "longName": "995478 - Disclosure - Note 11 - Property and Equipment (Tables)",
 "shortName": "Note 11 - Property and Equipment (Tables)",
 "isDefault": "false",
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 "subGroupType": "tables",
 "menuCat": "Tables",
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  "decimals": null,
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  "unitRef": null,
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  "decimals": null,
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"R35": {
 "role": "http://byrna.com/20250228/role/statement-note-12-intangible-assets-tables",
 "longName": "995479 - Disclosure - Note 12 - Intangible Assets (Tables)",
 "shortName": "Note 12 - Intangible Assets (Tables)",
 "isDefault": "false",
 "groupType": "disclosure",
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 "menuCat": "Tables",
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  "decimals": null,
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"R36": {
 "role": "http://byrna.com/20250228/role/statement-note-14-accounts-payable-and-accrued-liabilities-tables",
 "longName": "995480 - Disclosure - Note 14 - Accounts Payable and Accrued Liabilities (Tables)",
 "shortName": "Note 14 - Accounts Payable and Accrued Liabilities (Tables)",
 "isDefault": "false",
 "groupType": "disclosure",
 "subGroupType": "tables",
 "menuCat": "Tables",
 "order": "36",
 "firstAnchor": {
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  "lang": "en-US",
  "decimals": null,
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"R37": {
 "role": "http://byrna.com/20250228/role/statement-note-16-stockbased-compensation-tables",
 "longName": "995481 - Disclosure - Note 16 - Stock-based Compensation (Tables)",
 "shortName": "Note 16 - Stock-based Compensation (Tables)",
 "isDefault": "false",
 "groupType": "disclosure",
 "subGroupType": "tables",
 "menuCat": "Tables",
 "order": "37",
 "firstAnchor": {
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  "unitRef": null,
  "xsiNil": "false",
  "lang": "en-US",
  "decimals": null,
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   "html"
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  "reportCount": 1,
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  "unique": true
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 "uniqueAnchor": {
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  "decimals": null,
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  "unique": true
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"R38": {
 "role": "http://byrna.com/20250228/role/statement-note-17-earnings-per-share-tables",
 "longName": "995482 - Disclosure - Note 17 - Earnings Per Share (Tables)",
 "shortName": "Note 17 - Earnings Per Share (Tables)",
 "isDefault": "false",
 "groupType": "disclosure",
 "subGroupType": "tables",
 "menuCat": "Tables",
 "order": "38",
 "firstAnchor": {
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  "name": "us-gaap:ScheduleOfEarningsPerShareBasicByCommonClassTextBlock",
  "unitRef": null,
  "xsiNil": "false",
  "lang": "en-US",
  "decimals": null,
  "ancestors": [
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   "body",
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  "first": true,
  "unique": true
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 "uniqueAnchor": {
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  "name": "us-gaap:ScheduleOfEarningsPerShareBasicByCommonClassTextBlock",
  "unitRef": null,
  "xsiNil": "false",
  "lang": "en-US",
  "decimals": null,
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   "body",
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  "first": true,
  "unique": true
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"R39": {
 "role": "http://byrna.com/20250228/role/statement-note-19-leases-tables",
 "longName": "995483 - Disclosure - Note 19 - Leases (Tables)",
 "shortName": "Note 19 - Leases (Tables)",
 "isDefault": "false",
 "groupType": "disclosure",
 "subGroupType": "tables",
 "menuCat": "Tables",
 "order": "39",
 "firstAnchor": {
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  "name": "us-gaap:LeaseCostTableTextBlock",
  "unitRef": null,
  "xsiNil": "false",
  "lang": "en-US",
  "decimals": null,
  "ancestors": [
   "us-gaap:LesseeOperatingLeasesTextBlock",
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  "unique": true
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"R40": {
 "role": "http://byrna.com/20250228/role/statement-note-22-segment-and-geographical-disclosures-tables",
 "longName": "995484 - Disclosure - Note 22 - Segment and Geographical Disclosures (Tables)",
 "shortName": "Note 22 - Segment and Geographical Disclosures (Tables)",
 "isDefault": "false",
 "groupType": "disclosure",
 "subGroupType": "tables",
 "menuCat": "Tables",
 "order": "40",
 "firstAnchor": {
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  "name": "us-gaap:ScheduleOfSegmentReportingInformationBySegmentTextBlock",
  "unitRef": null,
  "xsiNil": "false",
  "lang": "en-US",
  "decimals": null,
  "ancestors": [
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   "body",
   "html"
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 "uniqueAnchor": {
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  "xsiNil": "false",
  "lang": "en-US",
  "decimals": null,
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   "html"
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"R41": {
 "role": "http://byrna.com/20250228/role/statement-note-1-nature-of-operations-details-textual",
 "longName": "995485 - Disclosure - Note 1 - Nature of Operations (Details Textual)",
 "shortName": "Note 1 - Nature of Operations (Details Textual)",
 "isDefault": "false",
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  "name": "us-gaap:AreaOfRealEstateProperty",
  "unitRef": "SquareFoot",
  "xsiNil": "false",
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"R42": {
 "role": "http://byrna.com/20250228/role/statement-note-2-operations-and-management-plans-details-textual",
 "longName": "995486 - Disclosure - Note 2 - Operations and Management Plans (Details Textual)",
 "shortName": "Note 2 - Operations and Management Plans (Details Textual)",
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 "menuCat": "Details",
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  "lang": null,
  "decimals": "-3",
  "ancestors": [
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   "div",
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"R43": {
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 "longName": "995487 - Disclosure - Note 7 - Marketable Debt Securities (Details Textual)",
 "shortName": "Note 7 - Marketable Debt Securities (Details Textual)",
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 "menuCat": "Details",
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  "xsiNil": "false",
  "lang": null,
  "decimals": "-3",
  "ancestors": [
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"R44": {
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 "longName": "995488 - Disclosure - Note 7 - Marketable Debt Securities - Schedule of Securities (Details)",
 "shortName": "Note 7 - Marketable Debt Securities - Schedule of Securities (Details)",
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 "menuCat": "Details",
 "order": "44",
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  "lang": null,
  "decimals": "-3",
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"unitRef": "USD",
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"lang": null,
"decimals": "-3",
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"R45": {
"role": "http://byrna.com/20250228/role/statement-note-7-marketable-debt-securities-schedule-of-securities-by-maturity-details",
"longName": "995489 - Disclosure - Note 7 - Marketable Debt Securities - Schedule of Securities by Maturity (Details)",
"shortName": "Note 7 - Marketable Debt Securities - Schedule of Securities by Maturity (Details)",
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"menuCat": "Details",
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"us-gaap:InvestmentsInDebtAndMarketableEquitySecuritiesAndCertainTradingAssetsDisclosureTextBlock",
"body",
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"R46": {
"role": "http://byrna.com/20250228/role/statement-note-7-marketable-debt-securities-schedule-of-fair-value-measurement-details",
"longName": "995490 - Disclosure - Note 7 - Marketable Debt Securities - Schedule of Fair Value Measurement (Details)",
"shortName": "Note 7 - Marketable Debt Securities - Schedule of Fair Value Measurement (Details)",
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"menuCat": "Details",
"order": "46",
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"decimals": "-4",
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"tbody",
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"us-gaap:InvestmentsInDebtAndMarketableEquitySecuritiesAndCertainTradingAssetsDisclosureTextBlock",
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"html"
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"name": "us-gaap:CashEquivalentsAtCarryingValue",
"unitRef": "USD",
"xsiNil": "false",
"lang": null,
"decimals": "-3",
"ancestors": [
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"tbody",
"table",
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"us-gaap:InvestmentsInDebtAndMarketableEquitySecuritiesAndCertainTradingAssetsDisclosureTextBlock",
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"R47": {
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"longName": "995491 - Disclosure - Note 8 - Investment in Joint Venture (Details Textual)",
"shortName": "Note 8 - Investment in Joint Venture (Details Textual)",
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"menuCat": "Details",
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"R48": {
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"longName": "995492 - Disclosure - Note 9 - Advertising Costs (Details Textual)",
"shortName": "Note 9 - Advertising Costs (Details Textual)",
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"menuCat": "Details",
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"R49": {
"role": "http://byrna.com/20250228/role/statement-note-10-revenue-deferred-revenue-and-accounts-receivable-details-textual",
"longName": "995493 - Disclosure - Note 10 - Revenue, Deferred Revenue and Accounts Receivable (Details Textual)",
"shortName": "Note 10 - Revenue, Deferred Revenue and Accounts Receivable (Details Textual)",
"isDefault": "false",
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"menuCat": "Details",
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"lang": null,
"decimals": "-5",
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"reportCount": 1,
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"name": "us-gaap:AccountsReceivableNetCurrent",
"unitRef": "USD",
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"lang": null,
"decimals": "-5",
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"body",
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"reportCount": 1,
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"unique": true
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"R50": {
"role": "http://byrna.com/20250228/role/statement-note-10-revenue-deferred-revenue-and-accounts-receivable-summary-of-changes-in-deferred-revenue-details",
"longName": "995494 - Disclosure - Note 10 - Revenue, Deferred Revenue and Accounts Receivable - Summary of Changes in Deferred Revenue (Details)",
"shortName": "Note 10 - Revenue, Deferred Revenue and Accounts Receivable - Summary of Changes in Deferred Revenue (Details)",
"isDefault": "false",
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"byrn:RevenueDeferredRevenueAndAccountsReceivableTextBlock",
"body",
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"R51": {
"role": "http://byrna.com/20250228/role/statement-note-10-revenue-deferred-revenue-and-accounts-receivable-revenue-disaggregation-details",
"longName": "995495 - Disclosure - Note 10 - Revenue, Deferred Revenue and Accounts Receivable - Revenue Disaggregation (Details)",
"shortName": "Note 10 - Revenue, Deferred Revenue and Accounts Receivable - Revenue Disaggregation (Details)",
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"uniqueAnchor": {
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"name": "us-gaap:RevenueFromContractWithCustomerExcludingAssessedTax",
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"R52": {
"role": "http://byrna.com/20250228/role/statement-note-11-inventory-summary-of-inventory-details",
"longName": "995496 - Disclosure - Note 11 - Inventory - Summary of Inventory (Details)",
"shortName": "Note 11 - Inventory - Summary of Inventory (Details)",
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"subGroupType": "details",
"menuCat": "Details",
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"us-gaap:InventoryDisclosureTextBlock",
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"us-gaap:InventoryDisclosureTextBlock",
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"R53": {
"role": "http://byrna.com/20250228/role/statement-note-12-property-and-equipment-details-textual",
"longName": "995497 - Disclosure - Note 12 - Property and Equipment (Details Textual)",
"shortName": "Note 12 - Property and Equipment (Details Textual)",
"isDefault": "false",
"groupType": "disclosure",
"subGroupType": "details",
"menuCat": "Details",
"order": "53",
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"unitRef": "USD",
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"lang": null,
"decimals": "-5",
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"R54": {
"role": "http://byrna.com/20250228/role/statement-note-12-property-and-equipment-summary-of-cost-and-accumulated-depreciation-details",
"longName": "995498 - Disclosure - Note 12 - Property and Equipment - Summary of Cost and Accumulated Depreciation (Details)",
"shortName": "Note 12 - Property and Equipment - Summary of Cost and Accumulated Depreciation (Details)",
"isDefault": "false",
"groupType": "disclosure",
"subGroupType": "details",
"menuCat": "Details",
"order": "54",
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   "xsiNil": "false",
   "lang": null,
   "decimals": "-3",
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    "tbody",
    "table",
    "us-gaap:PropertyPlantAndEquipmentTextBlock",
    "us-gaap:PropertyPlantAndEquipmentDisclosureTextBlock",
    "body",
    "html"
   ],
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  "uniqueAnchor": {
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   "name": "us-gaap:PropertyPlantAndEquipmentGross",
   "unitRef": "USD",
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   "lang": null,
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    "tbody",
    "table",
    "us-gaap:PropertyPlantAndEquipmentTextBlock",
    "us-gaap:PropertyPlantAndEquipmentDisclosureTextBlock",
    "body",
    "html"
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 "R55": {
  "role": "http://byrna.com/20250228/role/statement-note-13-intangible-assets-details-textual",
  "longName": "995499 - Disclosure - Note 13 - Intangible Assets (Details Textual)",
  "shortName": "Note 13 - Intangible Assets (Details Textual)",
  "isDefault": "false",
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   "lang": null,
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    "body",
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   "name": "us-gaap:AmortizationOfIntangibleAssets",
   "unitRef": "USD",
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    "us-gaap:IntangibleAssetsDisclosureTextBlock",
    "body",
    "html"
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   "first": true,
   "unique": true
  }
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 "R56": {
  "role": "http://byrna.com/20250228/role/statement-note-13-intangible-assets-components-of-intangible-assets-details",
  "longName": "995500 - Disclosure - Note 13 - Intangible Assets - Components of Intangible Assets (Details)",
  "shortName": "Note 13 - Intangible Assets - Components of Intangible Assets (Details)",
  "isDefault": "false",
  "groupType": "disclosure",
  "subGroupType": "details",
  "menuCat": "Details",
  "order": "56",
  "firstAnchor": {
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   "name": "us-gaap:IntangibleAssetsGrossExcludingGoodwill",
   "unitRef": "USD",
   "xsiNil": "false",
   "lang": null,
   "decimals": "-3",
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    "tr",
    "tbody",
    "table",
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    "us-gaap:IntangibleAssetsDisclosureTextBlock",
    "body",
    "html"
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   "baseRef": "byrn20250228_10q.htm",
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    "us-gaap:IntangibleAssetsDisclosureTextBlock",
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 "R57": {
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  "longName": "995501 - Disclosure - Note 13 - Intangible Assets - Estimated Future Amortization Expense (Details)",
  "shortName": "Note 13 - Intangible Assets - Estimated Future Amortization Expense (Details)",
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  "menuCat": "Details",
  "order": "57",
  "firstAnchor": {
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   "xsiNil": "false",
   "lang": null,
   "decimals": "-3",
   "ancestors": [
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    "body",
    "html"
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  "uniqueAnchor": {
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   "name": "us-gaap:FiniteLivedIntangibleAssetsAmortizationExpenseRemainderOfFiscalYear",
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   "decimals": "-3",
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    "body",
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 "R58": {
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  "longName": "995502 - Disclosure - Note 14 - Accounts Payable and Accrued Liabilities - Summary of Accounts Payable and Accrued Liabilities (Details)",
  "shortName": "Note 14 - Accounts Payable and Accrued Liabilities - Summary of Accounts Payable and Accrued Liabilities (Details)",
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   "lang": null,
   "decimals": "-3",
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    "tbody",
    "table",
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    "body",
    "html"
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  "role": "http://byrna.com/20250228/role/statement-note-15-stockholders-equity-details-textual",
  "longName": "995503 - Disclosure - Note 15 - Stockholders' Equity (Details Textual)",
  "shortName": "Note 15 - Stockholders' Equity (Details Textual)",
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  "menuCat": "Details",
  "order": "59",
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   "decimals": "-7",
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    "html"
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 "R60": {
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  "longName": "995504 - Disclosure - Note 16 - Stock-based Compensation (Details Textual)",
  "shortName": "Note 16 - Stock-based Compensation (Details Textual)",
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   "unitRef": "Share",
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    "us-gaap:DisclosureOfCompensationRelatedCostsShareBasedPaymentsTextBlock",
    "body",
    "html"
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  "uniqueAnchor": {
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   "lang": null,
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 "R61": {
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  "longName": "995505 - Disclosure - Note 16 - Stock-based Compensation - Valuation Assumptions (Details)",
  "shortName": "Note 16 - Stock-based Compensation - Valuation Assumptions (Details)",
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  "menuCat": "Details",
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    "html"
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  "longName": "995506 - Disclosure - Note 16 - Stock-based Compensation - Summary of RSU Activity (Details)",
  "shortName": "Note 16 - Stock-based Compensation - Summary of RSU Activity (Details)",
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   "lang": null,
   "decimals": "INF",
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    "table",
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    "us-gaap:DisclosureOfCompensationRelatedCostsShareBasedPaymentsTextBlock",
    "body",
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 "R63": {
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  "longName": "995507 - Disclosure - Note 16 - Stock-based Compensation - Summary of Stock Option Activity (Details)",
  "shortName": "Note 16 - Stock-based Compensation - Summary of Stock Option Activity (Details)",
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  "subGroupType": "details",
  "menuCat": "Details",
  "order": "63",
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  "unique": true
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"R68": {
 "role": "http://byrna.com/20250228/role/statement-note-19-leases-elements-of-lease-expense-details",
 "longName": "995512 - Disclosure - Note 19 - Leases - Elements of Lease Expense (Details)",
 "shortName": "Note 19 - Leases - Elements of Lease Expense (Details)",
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 "groupType": "disclosure",
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 "menuCat": "Details",
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  "lang": null,
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   "us-gaap:LesseeOperatingLeasesTextBlock",
   "body",
   "html"
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"R69": {
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 "longName": "995513 - Disclosure - Note 19 - Leases - Future Lease Payments Under Non-cancelable Operating Leases (Details)",
 "shortName": "Note 19 - Leases - Future Lease Payments Under Non-cancelable Operating Leases (Details)",
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   "table",
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   "html"
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  "unique": true
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"R70": {
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 "longName": "995514 - Disclosure - Note 20 - Income Taxes (Details Textual)",
 "shortName": "Note 20 - Income Taxes (Details Textual)",
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 "subGroupType": "details",
 "menuCat": "Details",
 "order": "70",
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  "name": "us-gaap:IncomeTaxExpenseBenefit",
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  "xsiNil": "false",
  "lang": null,
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   "tbody",
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   "body",
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  "first": true
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  "xsiNil": "false",
  "lang": null,
  "decimals": "3",
  "ancestors": [
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   "us-gaap:IncomeTaxDisclosureTextBlock",
   "body",
   "html"
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  "unique": true
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"R71": {
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 "longName": "995515 - Disclosure - Note 22 - Segment and Geographical Disclosures (Details Textual)",
 "shortName": "Note 22 - Segment and Geographical Disclosures (Details Textual)",
 "isDefault": "false",
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 "subGroupType": "details",
 "menuCat": "Details",
 "order": "71",
 "firstAnchor": null,
 "uniqueAnchor": null
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"R72": {
 "role": "http://byrna.com/20250228/role/statement-note-22-segment-and-geographical-disclosures-summary-of-revenue-longlived-assets-and-total-assets-by-geographical-region-details",
 "longName": "995516 - Disclosure - Note 22 - Segment and Geographical Disclosures - Summary of Revenue, Long-lived Assets and Total Assets by Geographical Region (Details)",
 "shortName": "Note 22 - Segment and Geographical Disclosures - Summary of Revenue, Long-lived Assets and Total Assets by Geographical Region (Details)",
 "isDefault": "false",
 "groupType": "disclosure",
 "subGroupType": "details",
 "menuCat": "Details",
 "order": "72",
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  "name": "us-gaap:RevenueFromContractWithCustomerExcludingAssessedTax",
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  "xsiNil": "false",
  "lang": null,
  "decimals": "-4",
  "ancestors": [
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  ],
  "reportCount": 1,
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  "first": true
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 "uniqueAnchor": {
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  "name": "us-gaap:RevenueFromContractWithCustomerExcludingAssessedTax",
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  "lang": null,
  "decimals": "-3",
  "ancestors": [
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   "tbody",
   "table",
   "us-gaap:ScheduleOfSegmentReportingInformationBySegmentTextBlock",
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  ],
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  "baseRef": "byrn20250228_10q.htm",
  "unique": true
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"R73": {
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 "longName": "995517 - Disclosure - Note 23 - Financial Instruments (Details Textual)",
 "shortName": "Note 23 - Financial Instruments (Details Textual)",
 "isDefault": "false",
 "groupType": "disclosure",
 "subGroupType": "details",
 "menuCat": "Details",
 "order": "73",
 "firstAnchor": {
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  "name": "us-gaap:OtherComprehensiveIncomeForeignCurrencyTransactionAndTranslationAdjustmentNetOfTaxPortionAttributableToParent",
  "unitRef": "USD",
  "xsiNil": "false",
  "lang": null,
  "decimals": "-4",
  "ancestors": [
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   "tbody",
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   "div",
   "body",
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  "first": true
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 "uniqueAnchor": {
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  "name": "byrn:USTaxRatePercentageOfFluctuation",
  "unitRef": "Pure",
  "xsiNil": "false",
  "lang": null,
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   "html"
  ],

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  }
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 "presentation": [
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  "http://byrna.com/20250228/role/statement-note-14-accounts-payable-and-accrued-liabilities-summary-of-accounts-payable-and-accrued-liabilities-details"
 ],
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    "totalLabel": "Total",
    "documentation": "Sum of the carrying values as of the balance sheet date of obligations incurred through that date and due within one year (or the operating cycle, if longer), including liabilities incurred (and for which invoices have typically been received) and payable to vendors for goods and services received, taxes, interest, rent and utilities, accrued salaries and bonuses, payroll taxes and fringe benefits."
   }
  }
 },
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  "r46"
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},
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 "localname": "AccountsPayableAndAccruedLiabilitiesDisclosureTextBlock",
 "presentation": [
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 ],
 "lang": {
  "en-us": {
   "role": {
    "label": "Accounts Payable and Accrued Liabilities Disclosure [Text Block]",
    "documentation": "The entire disclosure for accounts payable and accrued liabilities at the end of the reporting period."
   }
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 },
 "auth_ref": [
  "r44",
  "r46",
  "r49",
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"us-gaap_AccountsPayableTradeCurrent": {
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 "localname": "AccountsPayableTradeCurrent",
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  "http://byrna.com/20250228/role/statement-note-14-accounts-payable-and-accrued-liabilities-summary-of-accounts-payable-and-accrued-liabilities-details": {
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   }
  }
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  "http://byrna.com/20250228/role/statement-note-23-financial-instruments-details-textual"
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    "documentation": "Due from customers or clients for goods or services that have been delivered or sold."
   }
  }
 },
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  "r679"
 ]
},
"us-gaap_AccountsReceivableNetCurrent": {
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    "terseLabel": "Accounts Receivable, after Allowance for Credit Loss, Current",
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   }
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   "order": 5.0
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    "documentation": "The sum of the periodic adjustments of the differences between securities' face values and purchase prices that are charged against earnings. This is called accretion if the security was purchased at a discount and amortization if it was purchased at premium. As a noncash item, this element is an adjustment to net income when calculating cash provided by or used in operations using the indirect method."
   }
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    "documentation": "Carrying value as of the balance sheet date of obligations incurred through that date and payable for professional fees, such as for legal and accounting services received. Used to reflect the current portion of the liabilities (due within one year or within the normal operating cycle if longer)."
   }
  }
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   }
  }
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   "weight": -1.0,
   "order": 0.0
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    "label": "Less: accumulated depreciation",
    "documentation": "Amount of accumulated depreciation, depletion and amortization for physical assets used in the normal conduct of business to produce goods and services."
   }
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    "documentation": "Amount, after tax, of accumulated increase (decrease) in equity from transaction and other event and circumstance from nonowner source."
   }
  }
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  "r16",
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  "r595"
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    "documentation": "Accumulated increase (decrease) in equity from transactions and other events and circumstances from non-owner sources, attributable to the parent. Excludes net income (loss), and accumulated changes in equity from transactions resulting from investments by owners and distributions to owners."
   }
  }
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    "documentation": "Amount of excess of issue price over par or stated value of stock and from other transaction involving stock or stockholder. Includes, but not limited to, additional paid-in capital (APIC) for common and preferred stock."
   }
  }
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    "label": "Additional Paid-in Capital [Member]",
    "documentation": "Excess of issue price over par or stated value of the entity's capital stock and amounts received from other transactions involving the entity's stock or stockholders."
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  }
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   "role": {
    "label": "Adjustments to reconcile net income to net cash provided by used in operating activities:"
   }
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 "nsuri": "http://fasb.org/us-gaap/2024",
 "localname": "AdjustmentsToAdditionalPaidInCapitalSharebasedCompensationRequisiteServicePeriodRecognitionValue",
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    "documentation": "Amount of increase to additional paid-in capital (APIC) for recognition of cost for award under share-based payment arrangement."
   }
  }
 },
 "auth_ref": [
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  "r354"
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  "en-us": {
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    "label": "Advertising Costs [Text Block]",
    "documentation": "The entire disclosure for advertising costs."
   }
  }
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 "auth_ref": []
},
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 "nsuri": "http://fasb.org/us-gaap/2024",
 "localname": "AdvertisingExpense",
 "crdr": "debit",
 "presentation": [
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    "terseLabel": "Advertising Expense",
    "documentation": "Amount charged to advertising expense for the period, which are expenses incurred with the objective of increasing revenue for a specified brand, product or product line."
   }
  }
 },
 "auth_ref": [
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    "documentation": "Amount of expense for award under share-based payment arrangement. Excludes amount capitalized."
   }
  }
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 "auth_ref": [
  "r383",
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},
"us-gaap_AllowanceForDoubtfulAccountsReceivableCurrent": {
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 "localname": "AllowanceForDoubtfulAccountsReceivableCurrent",
 "crdr": "credit",
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   "role": {
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    "terseLabel": "Accounts Receivable, Allowance for Credit Loss, Current",
    "documentation": "Amount of allowance for credit loss on accounts receivable, classified as current."
   }
  }
 },
 "auth_ref": [
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},
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 "localname": "AmendmentFlag",
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 ],
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   "role": {
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    "documentation": "Boolean flag that is true when the XBRL content amends previously-filed or accepted submission."
   }
  }
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}
}
},
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"r301",
"r715"
]
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"http://byrna.com/20250228/role/statement-note-19-leases",
"http://byrna.com/20250228/role/statement-note-19-leases-details-textual"
],
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"documentation": "Represents information regarding Andover, Massachusetts."
}
}
},
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},
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],
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"en-us": {
"role": {
"label": "Antidilutive securities (in shares)",
"documentation": "Securities (including those issuable pursuant to contingent stock agreements) that could potentially dilute basic earnings per share (EPS) or earnings per unit (EPU) in the future that were not included in the computation of diluted EPS or EPU because to do so would increase EPS or EPU amounts or decrease loss per share or unit amounts for the period presented."
}
}
},
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},
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],
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"documentation": "Information by type of antidilutive security."
}
}
},
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"us-gaap_AntidilutiveSecuritiesNameDomain": {
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],
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"role": {
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"documentation": "Incremental common shares attributable to securities that were not included in diluted earnings per share (EPS) because to do so would increase EPS amounts or decrease loss per share amounts for the period presented."
}
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"terseLabel": "Area of Real Estate Property (Square Foot)",
"documentation": "Area of a real estate property."
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"documentation": "Amount of asset recognized for present right to economic benefit."
}
}
},
"auth_ref": [
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"r203",
"r209",
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"documentation": "Amount of asset recognized for present right to economic benefit, classified as current."
}
}
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"localname": "AssetsFairValueDisclosure",
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"documentation": "Amount, before tax, of unrealized loss in accumulated other comprehensive income (AOCI) on investment in debt security measured at fair value with change in fair value recognized in other comprehensive income (available-for-sale)."
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}
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"en-us": {
"role": {
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"documentation": "Fair value of investment in debt security measured at fair value with change in fair value recognized in other comprehensive income (available-for-sale), with single maturity date and allocated without single maturity date, maturing in next fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)."
}
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"r560"
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"r733",
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"http://byrna.com/20250228/role/statement-note-16-stockbased-compensation-details-textual",
"http://byrna.com/20250228/role/statement-note-16-stockbased-compensation-summary-of-rsu-activity-details",
"http://byrna.com/20250228/role/statement-note-16-stockbased-compensation-valuation-assumptions-details"
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"documentation": "Information by type of award under share-based payment arrangement."
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"role": {
"label": "Basis of Accounting [Text Block]",
"documentation": "The entire disclosure for the basis of accounting, or basis of presentation, used to prepare the financial statements (for example, US Generally Accepted Accounting Principles, Other Comprehensive Basis of Accounting, IFRS)."
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"http://byrna.com/20250228/role/statement-note-23-financial-instruments-details-textual",
"http://byrna.com/20250228/role/statement-note-8-investment-in-joint-venture",
"http://byrna.com/20250228/role/statement-note-8-investment-in-joint-venture-details-textual"
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"documentation": "Represents the joint venture \"Byrna LATAM\"."
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"documentation": "Measured as reported on the statement of financial position (balance sheet)."
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"documentation": "Amount of currency on hand as well as demand deposits with banks or financial institutions. Includes other kinds of accounts that have the general characteristics of demand deposits. Also includes short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates. Excludes cash and cash equivalents within disposal group and discontinued operation."
}
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"us-gaap_CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalents": {
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"role": {
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"periodStartLabel": "CASH AND CASH EQUIVALENTS, BEGINNING OF PERIOD",
"periodEndLabel": "CASH AND CASH EQUIVALENTS, END OF PERIOD",
"documentation": "Amount of cash and cash equivalents, and cash and cash equivalents restricted to withdrawal or usage; including, but not limited to, disposal group and discontinued operations. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. Cash equivalents include, but are not limited to, short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates."
}
}
},
"auth_ref": [
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"us-gaap_CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalentsPeriodIncreaseDecreaseIncludingExchangeRateEffect": {
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"role": {
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"totalLabel": [illegible],
"documentation": "Amount of increase (decrease) in cash, cash equivalents, and cash and cash equivalents restricted to withdrawal or usage; including effect from exchange rate change. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. Cash equivalents include, but are not limited to, short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates."
}
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"us-gaap_CashEquivalentsAtCarryingValue": {
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"lang": {
"en-us": {
"role": {
"label": "Cash equivalents",
"documentation": "Amount of short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates. Excludes cash and cash equivalents within disposal group and discontinued operation."
}
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"role": {
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"documentation": "Area code of city"
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"us-gaap_CommitmentsAndContingencies": {
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"localname": "CommitmentsAndContingencies",
"crdr": "credit",
"calculation": {
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"weight": 1.0,
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"documentation": "Represents the caption on the face of the balance sheet to indicate that the entity has entered into (1) purchase or supply arrangements that will require expending a portion of its resources to meet the terms thereof, and (2) is exposed to potential losses or, less frequently, gains, arising from (a) possible claims against a company's resources due to future performance under contract terms, and (b) possible losses or likely gains from uncertainties that will ultimately be resolved when one or more future events that are deemed likely to occur do occur or fail to occur."
}
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"presentation": [
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"en-us": {
"role": {
"label": "Commitments Disclosure [Text Block]",
"documentation": "The entire disclosure for significant arrangements with third parties, which includes operating lease arrangements and arrangements in which the entity has agreed to expend funds to procure goods or services, or has agreed to commit resources to supply goods or services, and operating lease arrangements. Descriptions may include identification of the specific goods and services, period of time covered, minimum quantities and amounts, and cancellation rights."
}
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"presentation": [
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"en-us": {
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"documentation": "Stock that is subordinate to all other stock of the issuer."
}
}
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"r756",
"r757",
"r758",
"r760",
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"nsuri": "http://fasb.org/us-gaap/2024",
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"presentation": [
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"http://byrna.com/20250228/role/statement-note-2-operations-and-management-plans-details-textual"
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"en-us": {
"role": {
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"terseLabel": "Common Stock, Par or Stated Value Per Share (in dollars per share)",
"documentation": "Face amount or stated value per share of common stock."
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"auth_ref": [
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"us-gaap_CommonStockSharesAuthorized": {
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"presentation": [
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"en-us": {
"role": {
"label": "Common stock, shares authorized (in shares)",
"documentation": "The maximum number of common shares permitted to be issued by an entity's charter and bylaws."
}
}
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"auth_ref": [
"r53",
"r619"
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"us-gaap_CommonStockSharesIssued": {
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"role": {
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"documentation": "Total number of common shares of an entity that have been sold or granted to shareholders (includes common shares that were issued, repurchased and remain in the treasury). These shares represent capital invested by the firm's shareholders and owners, and may be all or only a portion of the number of shares authorized. Shares issued include shares outstanding and shares held in the treasury."
}
}
},
"auth_ref": [
"r53"
]
},
"us-gaap_CommonStockSharesOutstanding": {
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"nsuri": "http://fasb.org/us-gaap/2024",
"localname": "CommonStockSharesOutstanding",
"presentation": [
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"label": "Common stock, shares outstanding (in shares)",
"documentation": "Number of shares of common stock outstanding. Common stock represent the ownership interest in a corporation."
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"r8",
"r53",
"r619",
"r637",
"r936",
"r937"
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"role": {
"label": "Common stock, $0.001 par value, 50,000,000 shares authorized. 25,182,452 shares issued and 22,667,235 shares outstanding as of February 28, 2025, and 25,010,976 shares issued and 22,495,759 outstanding as of November 30, 2024",
"documentation": "Aggregate par or stated value of issued nonredeemable common stock (or common stock redeemable solely at the option of the issuer). This item includes treasury stock repurchased by the entity. Note: elements for number of nonredeemable common shares, par value and other disclosure concepts are in another section within stockholders' equity."
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"auth_ref": [
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"us-gaap_ComprehensiveIncomeNetOfTax": {
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"localname": "ComprehensiveIncomeNetOfTax",
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"weight": null,
"order": null,
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"role": {

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    "label": "us-gaap_ComprehensiveIncomeNetOfTax",
    "totalLabel": "COMPREHENSIVE INCOME (LOSS)",
    "documentation": "Amount after tax of increase (decrease) in equity from transactions and other events and circumstances from net income and other comprehensive income, attributable to parent entity. Excludes changes in equity resulting from investments by owners and distributions to owners."
   }
  }
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 "auth_ref": [
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  "en-us": {
   "role": {
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    "documentation": "Represents information regarding computer equipment and software."
   }
  }
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  "http://byrna.com/20250228/role/statement-note-23-financial-instruments-details-textual"
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  "en-us": {
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    "label": "Concentration Risk Benchmark [Domain]",
    "documentation": "The denominator in a calculation of a disclosed concentration risk percentage."
   }
  }
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  "r42",
  "r229",
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 "nsuri": "http://fasb.org/us-gaap/2024",
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  "http://byrna.com/20250228/role/statement-note-23-financial-instruments-details-textual"
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    "documentation": "Information by benchmark of concentration risk."
   }
  }
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  "r41",
  "r42",
  "r229",
  "r597",
  "r679"
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"us-gaap_ConcentrationRiskByTypeAxis": {
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  "http://byrna.com/20250228/role/statement-note-23-financial-instruments-details-textual"
 ],
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    "label": "Concentration Risk Type [Axis]",
    "documentation": "Information by type of concentration risk, for example, but not limited to, asset, liability, net assets, geographic, customer, employees, supplier, lender."
   }
  }
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 "auth_ref": [
  "r26",
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  "r42",
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"us-gaap_ConcentrationRiskPercentage1": {
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    "terseLabel": "Concentration Risk, Percentage",
    "documentation": "For an entity that discloses a concentration risk in relation to quantitative amount, which serves as the \"benchmark\" (or denominator) in the equation, this concept represents the concentration percentage derived from the division."
   }
  }
 },
 "auth_ref": [
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  "r41",
  "r42",
  "r229"
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"us-gaap_ConcentrationRiskTypeDomain": {
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  "http://byrna.com/20250228/role/statement-note-23-financial-instruments-details-textual"
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   "role": {
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    "documentation": "For an entity that discloses a concentration risk as a percentage of some financial balance or benchmark, identifies the type (for example, asset, liability, net assets, geographic, customer, employees, supplier, lender) of the concentration."
   }
  }
 },
 "auth_ref": [
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 "nsuri": "http://fasb.org/us-gaap/2024",
 "localname": "ContractWithCustomerAssetAndLiabilityTableTextBlock",
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   "role": {
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    "documentation": "Tabular disclosure of receivable, contract asset, and contract liability from contract with customer. Includes, but is not limited to, change in contract asset and contract liability."
   }
  }
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  "http://byrna.com/20250228/role/statement-note-10-revenue-deferred-revenue-and-accounts-receivable-summary-of-changes-in-deferred-revenue-details"
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    "terseLabel": "Contract with Customer, Liability",
    "periodStartLabel": "Deferred revenue balance, beginning of period",
    "periodEndLabel": "Deferred revenue balance, end of period",
    "documentation": "Amount of obligation to transfer good or service to customer for which consideration has been received or is receivable."
   }
  }
 },
 "auth_ref": [
  "r339",
  "r340",
  "r343"
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 "nsuri": "http://byrna.com/20250228",
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    "documentation": "Amount of additions to obligation to transfer good or service to customer for which consideration from customer has been received or is due."
   }
  }
 },
 "auth_ref": []
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 "nsuri": "http://fasb.org/us-gaap/2024",
 "localname": "ContractWithCustomerLiabilityCurrent",
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   "order": 1.0
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  "http://byrna.com/20250228/role/statement-note-10-revenue-deferred-revenue-and-accounts-receivable-summary-of-changes-in-deferred-revenue-details"
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    "label": "Deferred revenue, current",
    "documentation": "Amount of obligation to transfer good or service to customer for which consideration has been received or is receivable, classified as current."
   }
  }
 },
 "auth_ref": [
  "r339",
  "r340",
  "r343"
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"us-gaap_ContractWithCustomerLiabilityNoncurrent": {
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 "localname": "ContractWithCustomerLiabilityNoncurrent",
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    "documentation": "Amount of obligation to transfer good or service to customer for which consideration has been received or is receivable, classified as noncurrent."
   }
  }
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 "localname": "ContractWithCustomerLiabilityRevenueRecognizedDuringPeriod",
 "crdr": "credit",
 "presentation": [
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    "negatedLabel": "Reductions in deferred revenue for revenue recognized during the period",
    "documentation": "Amount of revenue recognized during period including amounts previously included in balance of obligation to transfer good or service to customer for which consideration from customer has been received or is due.)"
   }
  }
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 "auth_ref": []
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"us-gaap_ContractWithCustomerSalesChannelAxis": {
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 "nsuri": "http://fasb.org/us-gaap/2024",
 "localname": "ContractWithCustomerSalesChannelAxis",
 "presentation": [
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   "role": {
    "label": "Contract with Customer, Sales Channel [Axis]",
    "documentation": "Information by sales channel for delivery of good or service in contract with customer."
   }
  }
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 "auth_ref": [
  "r721",
  "r846"
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"us-gaap_ContractWithCustomerSalesChannelDomain": {
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 "localname": "ContractWithCustomerSalesChannelDomain",
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  "en-us": {
   "role": {
    "label": "Contract with Customer, Sales Channel [Domain]",
    "documentation": "Sales channel for delivery of good or service in contract with customer. Includes, but is not limited to, directly to consumer and through intermediary."
   }
  }
 },
 "auth_ref": [
  "r721",
  "r846"
 ]
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"us-gaap_CorporateDebtSecuritiesMember": {
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  "http://byrna.com/20250228/role/statement-note-7-marketable-debt-securities-schedule-of-securities-details"
 ],
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  "en-us": {
   "role": {
    "label": "Corporate Debt Securities [Member]",
    "documentation": "Debt securities issued by domestic or foreign corporate business, banks and other entities with a promise of repayment."
   }
  }
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 "auth_ref": [
  "r722",
  "r724",
  "r730",
  "r740",
  "r755",
  "r931"
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"us-gaap_CostOfGoodsAndServicesSold": {
 "xbrltype": "monetaryItemType",
 "nsuri": "http://fasb.org/us-gaap/2024",
 "localname": "CostOfGoodsAndServicesSold",
 "crdr": "debit",
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   "weight": -1.0,
   "order": 0.0
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    "label": "Cost of goods sold",
    "documentation": "The aggregate costs related to goods produced and sold and services rendered by an entity during the reporting period. This excludes costs incurred during the reporting period related to financial services rendered and other revenue generating activities."
   }
  }
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  "r519"
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 "nsuri": "http://xbrl.sec.gov/dei/2024",
 "localname": "CurrentFiscalYearEndDate",
 "presentation": [
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 "lang": {
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    "label": "Current Fiscal Year End Date",
    "documentation": "End date of current fiscal year in the format --MM-DD."
   }
  }
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 "auth_ref": []
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"us-gaap_CustomerConcentrationRiskMember": {
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  "http://byrna.com/20250228/role/statement-note-23-financial-instruments",
  "http://byrna.com/20250228/role/statement-note-23-financial-instruments-details-textual"
 ],
 "lang": {
  "en-us": {
   "role": {
    "label": "Customer Concentration Risk [Member]",
    "documentation": "Reflects the percentage that revenues in the period from one or more significant customers is to net revenues, as defined by the entity, such as total net revenues, product line revenues, segment revenues. The risk is the materially adverse effects of loss of a significant customer."
   }
  }
 },
 "auth_ref": [
  "r76",
  "r229"
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"us-gaap_CustomerListsMember": {
 "xbrltype": "domainItemType",
 "nsuri": "http://fasb.org/us-gaap/2024",
 "localname": "CustomerListsMember",
 "presentation": [
  "http://byrna.com/20250228/role/statement-note-13-intangible-assets-components-of-intangible-assets-details"
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  "en-us": {
   "role": {
    "label": "Customer Lists [Member]",
    "documentation": "Information about customers such as their name and contact information; it may also be an extensive database that includes other information about the customers such as their order history and demographic information."
   }
  }
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 "auth_ref": [
  "r38",
  "r829",
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  "r831",
  "r832",
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  "r838",
  "r839"
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"us-gaap_DebtSecuritiesRealizedGainLoss": {
 "xbrltype": "monetaryItemType",
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 "localname": "DebtSecuritiesRealizedGainLoss",
 "crdr": "credit",
 "presentation": [
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  "en-us": {
   "role": {
    "label": "us-gaap_DebtSecuritiesRealizedGainLoss",
    "terseLabel": "Debt Securities, Realized Gain (Loss)",
    "documentation": "Amount of realized gain (loss) on investment in debt security measured at fair value with change in fair value recognized in other comprehensive income (available-for-sale), investment in debt security measured at amortized cost (held-to-maturity) and investment in debt security measured at fair value with change in fair value recognized in net income (trading)."
   }
  }
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 "auth_ref": [
  "r583",
  "r796",
  "r797"
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"localname": "DebtSecuritiesUnrealizedGainLoss",
"crdr": "credit",
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"en-us": {
"role": {
"label": "us-gaap_DebtSecuritiesUnrealizedGainLoss",
"terseLabel": "Debt Securities, Unrealized Gain (Loss)",
"documentation": "Amount of unrealized gain (loss) on investment in debt security measured at fair value with change in fair value recognized in other comprehensive income (available-for-sale), investment in debt security measured at amortized cost (held-to-maturity), and investment in debt security measured at fair value with change in fair value recognized in net income (trading)."
}
}
},
"auth_ref": [
"r584",
"r796",
"r797"
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"us-gaap_DeferredIncomeTaxAssetsNet": {
"xbrltype": "monetaryItemType",
"nsuri": "http://fasb.org/us-gaap/2024",
"localname": "DeferredIncomeTaxAssetsNet",
"crdr": "debit",
"calculation": {
"http://byrna.com/20250228/role/statement-condensed-consolidated-balance-sheets-current-period-unaudited": {
"parentTag": "us-gaap_Assets",
"weight": 1.0,
"order": 7.0
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"presentation": [
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"en-us": {
"role": {
"label": "Deferred tax asset",
"documentation": "Amount, after allocation of valuation allowances and deferred tax liability, of deferred tax asset attributable to deductible differences and carryforwards, with jurisdictional netting."
}
}
},
"auth_ref": [
"r392",
"r393"
]
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"us-gaap_DeferredIncomeTaxExpenseBenefit": {
"xbrltype": "monetaryItemType",
"nsuri": "http://fasb.org/us-gaap/2024",
"localname": "DeferredIncomeTaxExpenseBenefit",
"crdr": "debit",
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"weight": 1.0,
"order": 4.0
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"presentation": [
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"lang": {
"en-us": {
"role": {
"label": "Deferred tax (benefit) provision",
"documentation": "Amount of deferred income tax expense (benefit) pertaining to income (loss) from continuing operations."
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"auth_ref": [
"r5",
"r108",
"r802"
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"us-gaap_DepositsAssetsNoncurrent": {
"xbrltype": "monetaryItemType",
"nsuri": "http://fasb.org/us-gaap/2024",
"localname": "DepositsAssetsNoncurrent",
"crdr": "debit",
"calculation": {
"http://byrna.com/20250228/role/statement-condensed-consolidated-balance-sheets-current-period-unaudited": {
"parentTag": "us-gaap_Assets",
"weight": 1.0,
"order": 2.0
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"presentation": [
"http://byrna.com/20250228/role/statement-condensed-consolidated-balance-sheets-current-period-unaudited",
"http://byrna.com/20250228/role/statement-note-12-property-and-equipment-details-textual"
],
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"en-us": {
"role": {
"label": "Deposits for equipment",
"terseLabel": "Deposits Assets, Noncurrent",
"documentation": "Carrying value of amounts transferred to third parties for security purposes that are expected to be returned or applied towards payment after one year or beyond the operating cycle, if longer."
}
}
},
"auth_ref": [
"r789"
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},
"us-gaap_Depreciation": {
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"nsuri": "http://fasb.org/us-gaap/2024",
"localname": "Depreciation",
"crdr": "debit",
"presentation": [
"http://byrna.com/20250228/role/statement-note-12-property-and-equipment-details-textual"
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"lang": {
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"role": {
"label": "us-gaap_Depreciation",
"terseLabel": "Depreciation",
"documentation": "The amount of expense recognized in the current period that reflects the allocation of the cost of tangible assets over the assets' useful lives. Includes production and non-production related depreciation."
}
}
},
"auth_ref": [
"r5",
"r31"
]
},
"us-gaap_DepreciationDepletionAndAmortization": {
"xbrltype": "monetaryItemType",
"nsuri": "http://fasb.org/us-gaap/2024",
"localname": "DepreciationDepletionAndAmortization",
"crdr": "debit",
"calculation": {
"http://byrna.com/20250228/role/statement-condensed-consolidated-statements-of-cash-flows-unaudited": {
"parentTag": "us-gaap_NetCashProvidedByUsedInOperatingActivities",
"weight": 1.0,
"order": 1.0
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"presentation": [
"http://byrna.com/20250228/role/statement-condensed-consolidated-statements-of-cash-flows-unaudited"
],
"lang": {
"en-us": {
"role": {
"label": "Depreciation and amortization",
"documentation": "The aggregate expense recognized in the current period that allocates the cost of tangible assets, intangible assets, or depleting assets to periods that benefit from use of the assets."
}
}
},
"auth_ref": [
"r5",
"r203",
"r212",
"r222",
"r707",
"r708"
]
},
"us-gaap_DisaggregationOfRevenueTableTextBlock": {
"xbrltype": "textBlockItemType",
"nsuri": "http://fasb.org/us-gaap/2024",
"localname": "DisaggregationOfRevenueTableTextBlock",
"presentation": [
"http://byrna.com/20250228/role/statement-note-10-revenue-deferred-revenue-and-accounts-receivable-tables"
],
"lang": {
"en-us": {
"role": {
"label": "Disaggregation of Revenue [Table Text Block]",
"documentation": "Tabular disclosure of disaggregation of revenue into categories depicting how nature, amount, timing, and uncertainty of revenue and cash flows are affected by economic factor."
}
}
},
"auth_ref": [
"r840"
]
},
"us-gaap_DisclosureOfCompensationRelatedCostsShareBasedPaymentsTextBlock": {
"xbrltype": "textBlockItemType",
"nsuri": "http://fasb.org/us-gaap/2024",
"localname": "DisclosureOfCompensationRelatedCostsShareBasedPaymentsTextBlock",
"presentation": [
"http://byrna.com/20250228/role/statement-note-16-stockbased-compensation"
],
"lang": {
"en-us": {
"role": {
"label": "Share-Based Payment Arrangement [Text Block]",
"documentation": "The entire disclosure for share-based payment arrangement."
}
}
},
"auth_ref": [
"r353",
"r356",
"r384",
"r385",
"r387",
"r726"
]
},
"us-gaap_DisclosureTextBlockAbstract": {
"xbrltype": "stringItemType",
"nsuri": "http://fasb.org/us-gaap/2024",
"localname": "DisclosureTextBlockAbstract",
"presentation": [
"http://byrna.com/20250228/role/statement-note-1-nature-of-operations",
"http://byrna.com/20250228/role/statement-note-10-revenue-deferred-revenue-and-accounts-receivable",
"http://byrna.com/20250228/role/statement-note-11-inventory",
"http://byrna.com/20250228/role/statement-note-12-property-and-equipment",
"http://byrna.com/20250228/role/statement-note-13-intangible-assets",
"http://byrna.com/20250228/role/statement-note-14-accounts-payable-and-accrued-liabilities",
"http://byrna.com/20250228/role/statement-note-15-stockholders-equity",
"http://byrna.com/20250228/role/statement-note-16-stockbased-compensation",
"http://byrna.com/20250228/role/statement-note-17-earnings-per-share",
"http://byrna.com/20250228/role/statement-note-18-related-party-transactions",
"http://byrna.com/20250228/role/statement-note-19-leases",
"http://byrna.com/20250228/role/statement-note-2-operations-and-management-plans",
"http://byrna.com/20250228/role/statement-note-20-income-taxes",
"http://byrna.com/20250228/role/statement-note-21-commitments-and-contingencies",
"http://byrna.com/20250228/role/statement-note-22-segment-and-geographical-disclosures",
"http://byrna.com/20250228/role/statement-note-23-financial-instruments",
"http://byrna.com/20250228/role/statement-note-3-basis-of-presentation",
"http://byrna.com/20250228/role/statement-note-4-use-of-estimates",
"http://byrna.com/20250228/role/statement-note-5-recent-accounting-guidance",
"http://byrna.com/20250228/role/statement-note-6-goodwill",
"http://byrna.com/20250228/role/statement-note-7-marketable-debt-securities",
"http://byrna.com/20250228/role/statement-note-8-investment-in-joint-venture",
"http://byrna.com/20250228/role/statement-note-9-advertising-costs"
],
"lang": {
"en-us": {
"role": {
"label": "us-gaap_DisclosureTextBlockAbstract",
"terseLabel": "Notes to Financial Statements"
}
}
},
"auth_ref": []
},
"dei_DocumentFiscalPeriodFocus": {
"xbrltype": "fiscalPeriodItemType",
"nsuri": "http://xbrl.sec.gov/dei/2024",
"localname": "DocumentFiscalPeriodFocus",
"presentation": [
"http://byrna.com/20250228/role/statement-document-and-entity-information"
],
"lang": {
"en-us": {
"role": {
"label": "Document Fiscal Period Focus",
"documentation": "Fiscal period values are FY, Q1, Q2, and Q3. 1st, 2nd and 3rd quarter 10-Q or 10-QT statements have value Q1, Q2, and Q3 respectively, with 10-K, 10-KT or other fiscal year statements having FY."
}
}
},
"auth_ref": []
},
"dei_DocumentFiscalYearFocus": {
"xbrltype": "gYearItemType",
"nsuri": "http://xbrl.sec.gov/dei/2024",
"localname": "DocumentFiscalYearFocus",
"presentation": [
"http://byrna.com/20250228/role/statement-document-and-entity-information"
],
"lang": {
"en-us": {
"role": {
"label": "Document Fiscal Year Focus",
"documentation": "This is focus fiscal year of the document report in YYYY format. For a 2006 annual report, which may also provide financial information from prior periods, fiscal 2006 should be given as the fiscal year focus. Example: 2006."
}
}
},
"auth_ref": []
},
"dei_DocumentInformationLineItems": {
"xbrltype": "stringItemType",
"nsuri": "http://xbrl.sec.gov/dei/2024",
"localname": "DocumentInformationLineItems",
"presentation": [
"http://byrna.com/20250228/role/statement-document-and-entity-information"
],
"lang": {
"en-us": {
"role": {
"label": "Document Information [Line Items]",
"documentation": "Line items represent financial concepts included in a table. These concepts are used to disclose reportable information associated with domain members defined in one or many axes to the table."
}
}
},
"auth_ref": []
},
"dei_DocumentInformationTable": {
"xbrltype": "stringItemType",
"nsuri": "http://xbrl.sec.gov/dei/2024",
"localname": "DocumentInformationTable",
"lang": {
"en-us": {
"role": {
"label": "Document Information [Table]",
"documentation": "Container to support the formal attachment of each official or unofficial, public or private document as part of a submission package."
}
}
},
"auth_ref": []
},
"dei_DocumentPeriodEndDate": {
"xbrltype": "dateItemType",
"nsuri": "http://xbrl.sec.gov/dei/2024",
"localname": "DocumentPeriodEndDate",
"presentation": [
"http://byrna.com/20250228/role/statement-document-and-entity-information"
],
"lang": {
"en-us": {
"role": {
"label": "Document Period End Date",
"documentation": "For the EDGAR submission types of Form 8-K: the date of the report, the date of the earliest event reported; for the EDGAR submission types of Form N-1A: the filing date; for all other submission types: the end of the reporting or transition period. The format of the date is YYYY-MM-DD."
}
}
},
"auth_ref": []
},
"dei_DocumentQuarterlyReport": {
"xbrltype": "booleanItemType",
"nsuri": "http://xbrl.sec.gov/dei/2024",
"localname": "DocumentQuarterlyReport",
"presentation": [
"http://byrna.com/20250228/role/statement-document-and-entity-information"
],
"lang": {
"en-us": {
"role": {
"label": "Document Quarterly Report",
"documentation": "Boolean flag that is true only for a form used as an quarterly report."
}
}
},
"auth_ref": [
"[illegible]"
]
},
"dei_DocumentTransitionReport": {
"xbrltype": "booleanItemType",
"nsuri": "http://xbrl.sec.gov/dei/2024",
"localname": "DocumentTransitionReport",
"presentation": [
"http://byrna.com/20250228/role/statement-document-and-entity-information"
],
"lang": {
"en-us": {
"role": {
"label": "Document Transition Report",
"documentation": "Boolean flag that is true only for a form used as a transition report."
}
}
},
"auth_ref": [
"[illegible]"
]
},
"dei_DocumentType": {
"xbrltype": "submissionTypeItemType",
"nsuri": "http://xbrl.sec.gov/dei/2024",
"localname": "DocumentType",
"presentation": [
"http://byrna.com/20250228/role/statement-document-and-entity-information"
],
"lang": {
"en-us": {
"role": {
"label": "Document Type",
"documentation": "The type of document being provided (such as 10-K, 10-Q, 485BPOS, etc). The document type is limited to the same value as the supporting SEC submission type, or the word 'Other'."
}
}
},
"auth_ref": []
},
"byrn_EcommerceMember": {
"xbrltype": "domainItemType",
"nsuri": "http://byrna.com/20250228",
"localname": "EcommerceMember",
"presentation": [
"http://byrna.com/20250228/role/statement-note-10-revenue-deferred-revenue-and-accounts-receivable-disaggregation-of-revenue-details"
],
"lang": {
"en-us": {
"role": {
"label": "E-commerce [Member]",
"documentation": "Represents information regarding e-commerce."
}
}
},
"auth_ref": []
},
"us-gaap_EarningsPerShareBasic": {
"xbrltype": "perShareItemType",
"nsuri": "http://fasb.org/us-gaap/2024",
"localname": "EarningsPerShareBasic",
"presentation": [
"http://byrna.com/20250228/role/statement-condensed-consolidated-statements-of-operations-and-comprehensive-income-loss-unaudited",
"http://byrna.com/20250228/role/statement-note-17-earnings-per-share-allocation-of-net-income-loss-details"
],
"lang": {
"en-us": {
"role": {
"label": "Basic net income per share (in dollars per share)",
"documentation": "The amount of net income (loss) for the period per each share of common stock or unit outstanding during the reporting period."
}
}
},
"auth_ref": [
"r161",
"r177",
"r178",
"r179",
"r180",
"r181",
"r182",
"r189",
"r191",
"r196",
"r197",
"r198",
"r202",
"r415",
"r418",
"r434",
"r435",
"r558",
"r582",
"r701"
]
},
"us-gaap_EarningsPerShareDiluted": {
"xbrltype": "perShareItemType",
"nsuri": "http://fasb.org/us-gaap/2024",
"localname": "EarningsPerShareDiluted",
"presentation": [
"http://byrna.com/20250228/role/statement-condensed-consolidated-statements-of-operations-and-comprehensive-income-loss-unaudited",
"http://byrna.com/20250228/role/statement-note-17-earnings-per-share-allocation-of-net-income-loss-details"
],
"lang": {
"en-us": {
"role": {
"label": "Diluted net income per share (in dollars per share)",
"documentation": "The amount of net income (loss) for the period available to each share of common stock or common unit outstanding during the reporting period and to each share or unit that would have been outstanding assuming the issuance of common shares or units for all dilutive potential common shares or units outstanding during the reporting period."
}
}
},
"auth_ref": [
"r161",
"r177",
"r178",
"r179",
"r180",
"r181",
"r182",
"r191",
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"r202",
"r415",
"r418",
"r434",
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"r558",
"r582",
"r701"
]
},
"us-gaap_EarningsPerShareTextBlock": {
"xbrltype": "textBlockItemType",
"nsuri": "http://fasb.org/us-gaap/2024",
"localname": "EarningsPerShareTextBlock",
"presentation": [
"http://byrna.com/20250228/role/statement-note-17-earnings-per-share"
],
"lang": {
"en-us": {
"role": {
"label": "Earnings Per Share [Text Block]",
"documentation": "The entire disclosure for earnings per share."
}
}
},

"auth_ref": [
 "r188",
 "r199",
 "r200",
 "r201"
]
},
"us-gaap_EffectOfExchangeRateOnCashCashEquivalentsRestrictedCashAndRestrictedCashEquivalentsIncludingDisposalGroupAndDiscontinuedOperations": {
 "xbrltype": "monetaryItemType",
 "nsuri": "http://fasb.org/us-gaap/2024",
 "localname": "EffectOfExchangeRateOnCashCashEquivalentsRestrictedCashAndRestrictedCashEquivalentsIncludingDisposalGroupAndDiscontinuedOperations",
 "crdr": "debit",
 "calculation": {
  "http://byrna.com/20250228/role/statement-condensed-consolidated-statements-of-cash-flows-unaudited": {
   "parentTag": "us-gaap_CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalentsPeriodIncreaseDecreaseIncludingExchangeRateEffect",
   "weight": 1.0,
   "order": 3.0
  }
 },
 "presentation": [
  "http://byrna.com/20250228/role/statement-condensed-consolidated-statements-of-cash-flows-unaudited"
 ],
 "lang": {
  "en-us": {
   "role": {
    "label": "Effects of foreign currency exchange rate changes",
    "documentation": "Amount of increase (decrease) from effect of exchange rate changes on cash and cash equivalents, and cash and cash equivalents restricted to withdrawal or usage; held in foreign currencies; including, but not limited to, disposal group and discontinued operations. Cash includes, but is not limited to, currency on hand, demand deposits with banks or financial institutions, and other accounts with general characteristics of demand deposits. Cash equivalents include, but are not limited to, short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity that they present insignificant risk of changes in value because of changes in interest rates."
   }
  }
 },
 "auth_ref": [
  "r889"
 ]
},
"us-gaap_EffectiveIncomeTaxRateContinuingOperations": {
 "xbrltype": "percentItemType",
 "nsuri": "http://fasb.org/us-gaap/2024",
 "localname": "EffectiveIncomeTaxRateContinuingOperations",
 "presentation": [
  "http://byrna.com/20250228/role/statement-note-20-income-taxes-details-textual"
 ],
 "lang": {
  "en-us": {
   "role": {
    "label": "us-gaap_EffectiveIncomeTaxRateContinuingOperations",
    "terseLabel": "Effective Income Tax Rate Reconciliation, Percent",
    "documentation": "Percentage of current income tax expense (benefit) and deferred income tax expense (benefit) pertaining to continuing operations."
   }
  }
 },
 "auth_ref": [
  "r395",
  "r729"
 ]
},
"us-gaap_EffectiveIncomeTaxRateReconciliationAtFederalStatutoryIncomeTaxRate": {
 "xbrltype": "percentItemType",
 "nsuri": "http://fasb.org/us-gaap/2024",
 "localname": "EffectiveIncomeTaxRateReconciliationAtFederalStatutoryIncomeTaxRate",
 "presentation": [
  "http://byrna.com/20250228/role/statement-note-20-income-taxes-details-textual"
 ],
 "lang": {
  "en-us": {
   "role": {
    "label": "us-gaap_EffectiveIncomeTaxRateReconciliationAtFederalStatutoryIncomeTaxRate",
    "terseLabel": "Effective Income Tax Rate Reconciliation, at Federal Statutory Income Tax Rate, Percent",
    "documentation": "Percentage of domestic federal statutory tax rate applicable to pretax income (loss)."
   }
  }
 },
 "auth_ref": [
  "r167",
  "r395",
  "r403",
  "r729"
 ]
},
"us-gaap_EmployeeServiceShareBasedCompensationNonvestedAwardsTotalCompensationCostNotYetRecognizedPeriodForRecognition1": {
 "xbrltype": "durationItemType",
 "nsuri": "http://fasb.org/us-gaap/2024",
 "localname": "EmployeeServiceShareBasedCompensationNonvestedAwardsTotalCompensationCostNotYetRecognizedPeriodForRecognition1",
 "presentation": [
  "http://byrna.com/20250228/role/statement-note-16-stockbased-compensation-details-textual"
 ],
 "lang": {
  "en-us": {
   "role": {
    "label": "us-gaap_EmployeeServiceShareBasedCompensationNonvestedAwardsTotalCompensationCostNotYetRecognizedPeriodForRecognition1",
    "terseLabel": "Share-Based Payment Arrangement, Nonvested Award, Cost Not yet Recognized, Period for Recognition (Year)",
    "documentation": "Weighted-average period over which cost not yet recognized is expected to be recognized for award under share-based payment arrangement, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents reported fact of one year, five months, and thirteen days."
   }
  }
 },
 "auth_ref": [
  "r386"
 ]
},
"us-gaap_EmployeeServiceShareBasedCompensationNonvestedAwardsTotalCompensationCostNotYetRecognizedShareBasedAwardsOtherThanOptions": {
 "xbrltype": "monetaryItemType",
 "nsuri": "http://fasb.org/us-gaap/2024",
 "localname": "EmployeeServiceShareBasedCompensationNonvestedAwardsTotalCompensationCostNotYetRecognizedShareBasedAwardsOtherThanOptions",
 "crdr": "debit",
 "presentation": [
  "http://byrna.com/20250228/role/statement-note-16-stockbased-compensation-details-textual"
 ],
 "lang": {
  "en-us": {
   "role": {
    "label": "us-gaap_EmployeeServiceShareBasedCompensationNonvestedAwardsTotalCompensationCostNotYetRecognizedShareBasedAwardsOtherThanOptions",
    "terseLabel": "Share-Based Payment Arrangement, Nonvested Award, Excluding Option, Cost Not yet Recognized, Amount",
    "documentation": "Amount of cost to be recognized for nonvested award under share-based payment arrangement. Excludes share and unit options."
   }
  }
 },
 "auth_ref": [
  "r873"
 ]
},
"us-gaap_EmployeeServiceShareBasedCompensationNonvestedAwardsTotalCompensationCostNotYetRecognizedStockOptions": {
 "xbrltype": "monetaryItemType",
 "nsuri": "http://fasb.org/us-gaap/2024",
 "localname": "EmployeeServiceShareBasedCompensationNonvestedAwardsTotalCompensationCostNotYetRecognizedStockOptions",
 "crdr": "debit",
 "presentation": [
  "http://byrna.com/20250228/role/statement-note-16-stockbased-compensation-details-textual"
 ],
 "lang": {
  "en-us": {
   "role": {
    "label": "us-gaap_EmployeeServiceShareBasedCompensationNonvestedAwardsTotalCompensationCostNotYetRecognizedStockOptions",
    "terseLabel": "Share-Based Payment Arrangement, Nonvested Award, Option, Cost Not yet Recognized, Amount",
    "documentation": "Amount of cost to be recognized for option under share-based payment arrangement."
   }
  }
 },
 "auth_ref": [
  "r873"
 ]
},
"us-gaap_EmployeeStockOptionMember": {
 "xbrltype": "domainItemType",
 "nsuri": "http://fasb.org/us-gaap/2024",
 "localname": "EmployeeStockOptionMember",
 "presentation": [
  "http://byrna.com/20250228/role/statement-note-16-stockbased-compensation",
  "http://byrna.com/20250228/role/statement-note-16-stockbased-compensation-details-textual",
  "http://byrna.com/20250228/role/statement-note-16-stockbased-compensation-valuation-assumptions-details",
  "http://byrna.com/20250228/role/statement-note-17-earnings-per-share-summary-of-antidilutive-securities-details"
 ],
 "lang": {
  "en-us": {
   "role": {
    "label": "Share-Based Payment Arrangement, Option [Member]",
    "documentation": "Share-based payment arrangement granting right, subject to vesting and other restrictions, to purchase or sell certain number of shares at predetermined price for specified period of time."
   }
  }
 },
 "auth_ref": []
},
"dei_EntityAddressAddressLine1": {
 "xbrltype": "normalizedStringItemType",
 "nsuri": "http://xbrl.sec.gov/dei/2024",
 "localname": "EntityAddressAddressLine1",
 "presentation": [
  "http://byrna.com/20250228/role/statement-document-and-entity-information"
 ],
 "lang": {
  "en-us": {
   "role": {
    "label": "Entity Address, Address Line One",
    "documentation": "Address Line 1 such as Attn, Building Name, Street Name"
   }
  }
 },
 "auth_ref": []
},
"dei_EntityAddressCityOrTown": {
 "xbrltype": "normalizedStringItemType",
 "nsuri": "http://xbrl.sec.gov/dei/2024",
 "localname": "EntityAddressCityOrTown",
 "presentation": [
  "http://byrna.com/20250228/role/statement-document-and-entity-information"
 ],
 "lang": {
  "en-us": {
   "role": {
    "label": "Entity Address, City or Town",
    "documentation": "Name of the City or Town"
   }
  }
 },
 "auth_ref": []
},
"dei_EntityAddressPostalZipCode": {
 "xbrltype": "normalizedStringItemType",
 "nsuri": "http://xbrl.sec.gov/dei/2024",
 "localname": "EntityAddressPostalZipCode",
 "presentation": [
  "http://byrna.com/20250228/role/statement-document-and-entity-information"
 ],
 "lang": {
  "en-us": {
   "role": {
    "label": "Entity Address, Postal Zip Code",
    "documentation": "Code for the postal or zip code"
   }
  }
 },
 "auth_ref": []
},
"dei_EntityAddressStateOrProvince": {
 "xbrltype": "stateOrProvinceItemType",
 "nsuri": "http://xbrl.sec.gov/dei/2024",
 "localname": "EntityAddressStateOrProvince",
 "presentation": [
  "http://byrna.com/20250228/role/statement-document-and-entity-information"
 ],
 "lang": {
  "en-us": {
   "role": {
    "label": "Entity Address, State or Province",
    "documentation": "Name of the state or province."
   }
  }
 },
 "auth_ref": []
},
"dei_EntityCentralIndexKey": {
 "xbrltype": "centralIndexKeyItemType",
 "nsuri": "http://xbrl.sec.gov/dei/2024",
 "localname": "EntityCentralIndexKey",
 "presentation": [
  "http://byrna.com/20250228/role/statement-document-and-entity-information"
 ],
 "lang": {
  "en-us": {
   "role": {
    "label": "Entity Central Index Key",
    "documentation": "A unique 10-digit SEC-issued value to identify entities that have filed disclosures with the SEC. It is commonly abbreviated as CIK."
[illegible]
 "lang": {
  "en-us": {
   "role": {
    "label": "Entity Filer Category",
    "documentation": "Indicate whether the registrant is one of the following: Large Accelerated Filer, Accelerated Filer, Non-accelerated Filer. Definitions of these categories are stated in Rule 12b-2 of the Exchange Act. This information should be based on the registrant's current or most recent filing containing the related disclosure."
   }
  }
 },
 "auth_ref": [
  "r767"
 ]
},
"dei_EntityIncorporationStateCountryCode": {
 "xbrltype": "edgarStateCountryItemType",
 "nsuri": "http://xbrl.sec.gov/dei/2024",
 "localname": "EntityIncorporationStateCountryCode",
 "presentation": [
  "http://byrna.com/20250228/role/statement-document-and-entity-information"
 ],
 "lang": {
  "en-us": {
   "role": {
    "label": "Entity Incorporation, State or Country Code",
    "documentation": "Two-character EDGAR code representing the state or country of incorporation."
   }
  }
 },
 "auth_ref": []
},
"dei_EntityInteractiveDataCurrent": {
 "xbrltype": "yesNoItemType",
 "nsuri": "http://xbrl.sec.gov/dei/2024",
 "localname": "EntityInteractiveDataCurrent",
 "presentation": [
  "http://byrna.com/20250228/role/statement-document-and-entity-information"
 ],
 "lang": {
  "en-us": {
   "role": {
    "label": "Entity Interactive Data Current",
    "documentation": "Boolean flag that is true when the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T during the preceding 12 months (or for such shorter period that the registrant was required to submit such files)."
   }
  }
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 "auth_ref": [
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"dei_EntityRegistrantName": {
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 "nsuri": "http://xbrl.sec.gov/dei/2024",
 "localname": "EntityRegistrantName",
 "presentation": [
  "http://byrna.com/20250228/role/statement-document-and-entity-information"
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 "lang": {
  "en-us": {
   "role": {
    "label": "Entity Registrant Name",
    "documentation": "The exact name of the entity filing the report as specified in its charter, which is required by forms filed with the SEC."
   }
  }
 },
 "auth_ref": [
  "r767"
 ]
},
"dei_EntityShellCompany": {
 "xbrltype": "booleanItemType",
 "nsuri": "http://xbrl.sec.gov/dei/2024",
 "localname": "EntityShellCompany",
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 ],
 "lang": {
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"label": "Entity Shell Company",
"documentation": "Boolean flag that is true when the registrant is a shell company as defined in Rule 12b-2 of the Exchange Act."
}
}
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"auth_ref": [
"r767"
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"dei_EntitySmallBusiness": {
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"nsuri": "http://xbrl.sec.gov/dei/2024",
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"http://byrna.com/20250228/role/statement-document-and-entity-information"
],
"lang": {
"en-us": {
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"label": "Entity Small Business",
"documentation": "Indicates that the company is a Smaller Reporting Company (SRC)."
}
}
},
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"r767"
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},
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"nsuri": "http://xbrl.sec.gov/dei/2024",
"localname": "EntityTaxIdentificationNumber",
"presentation": [
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],
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"role": {
"label": "Entity Tax Identification Number",
"documentation": "The Tax Identification Number (TIN), also known as an Employer Identification Number (EIN), is a unique 9-digit value assigned by the IRS."
}
}
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"auth_ref": [
"r767"
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"us-gaap_EquityComponentDomain": {
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"nsuri": "http://fasb.org/us-gaap/2024",
"localname": "EquityComponentDomain",
"presentation": [
"http://byrna.com/20250228/role/statement-condensed-consolidated-statements-of-changes-in-stockholders-equity-unaudited"
],
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"en-us": {
"role": {
"label": "Equity Component [Domain]",
"documentation": "Components of equity are the parts of the total Equity balance including that which is allocated to common, preferred, treasury stock, retained earnings, etc."
}
}
},
"auth_ref": [
"r8",
"r137",
"r157",
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"srt_EquityMethodInvesteeNameDomain": {
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"presentation": [
"http://byrna.com/20250228/role/statement-note-8-investment-in-joint-venture",
"http://byrna.com/20250228/role/statement-note-8-investment-in-joint-venture-details-textual"
],
"lang": {
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"role": {
"label": "Investment, Name [Domain]",
"documentation": "Name of investment including named security. Excludes entity that is consolidated."
}
}
},
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"r266",
"r267",
"r269",
"r409",
"r775",
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"us-gaap_EquityMethodInvestmentOwnershipPercentage": {
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"nsuri": "http://fasb.org/us-gaap/2024",
"localname": "EquityMethodInvestmentOwnershipPercentage",
"presentation": [
"http://byrna.com/20250228/role/statement-note-8-investment-in-joint-venture-details-textual"
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"lang": {
"en-us": {
"role": {
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"terseLabel": "Equity Method Investment, Ownership Percentage",
"documentation": "The percentage of ownership of common stock or equity participation in the investee accounted for under the equity method of accounting."
}
}
},
"auth_ref": [
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},
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"presentation": [
"http://byrna.com/20250228/role/statement-note-8-investment-in-joint-venture"
],
"lang": {
"en-us": {
"role": {
"label": "Equity Method Investments and Joint Ventures Disclosure [Text Block]",
"documentation": "The entire disclosure for equity method investments and joint ventures. Equity method investments are investments that give the investor the ability to exercise significant influence over the operating and financial policies of an investee. Joint ventures are entities owned and operated by a small group of businesses as a separate and specific business or project for the mutual benefit of the members of the group."
}
}
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"auth_ref": [
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"localname": "EstimateOfFairValueFairValueDisclosureMember",
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"label": "Estimate of Fair Value Measurement [Member]",
"documentation": "Measured as an estimate of fair value."
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}
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},
"byrn_EuropeSouthAmericaAsiaMember": {
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"nsuri": "http://byrna.com/20250228",
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"presentation": [
"http://byrna.com/20250228/role/statement-note-15-segment-and-geographical-disclosures-summary-of-revenue-long-lived-assets-and-total-assets-by-geographical-region-details"
],
"lang": {
"en-us": {
"role": {
"label": "Europe/South America/Asia [Member]",
"documentation": "Represents Europe/South America/Asia."
}
}
},
"auth_ref": []
},
"byrn_ExtendedProductWarrantyTerm": {
"xbrltype": "durationItemType",
"nsuri": "http://byrna.com/20250228",
"localname": "ExtendedProductWarrantyTerm",
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"http://byrna.com/20250228/role/statement-note-13-revenue-deferred-revenue-and-product-warranties-details-textual"
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"en-us": {
"role": {
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"terseLabel": "Extended Product Warranty, Term (Year)",
"documentation": "Represents the term associated with the extended product warranty."
}
}
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"auth_ref": []
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"nsuri": "http://fasb.org/us-gaap/2024",
"localname": "FairValueAssetsMeasuredOnRecurringBasisTableTextBlock",
"presentation": [
"http://byrna.com/20250228/role/statement-note-7-marketable-debt-securities-tables"
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"lang": {
"en-us": {
"role": {
"label": "Fair Value, Assets Measured on Recurring Basis [Table Text Block]",
"documentation": "Tabular disclosure of assets, including [financial] instruments measured at fair value that are classified in stockholders' equity, if any, by class that are measured at fair value on a recurring basis. The disclosures contemplated herein include the fair value measurements at the reporting date by the level within the fair value hierarchy in which the fair value measurements in their entirety fall, segregating fair value measurements using quoted prices in active markets for identical assets (Level 1), significant other observable inputs (Level 2), and significant unobservable inputs (Level 3)."
}
}
},
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"us-gaap_FairValueByFairValueHierarchyLevelAxis": {
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"nsuri": "http://fasb.org/us-gaap/2024",
"localname": "FairValueByFairValueHierarchyLevelAxis",
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"lang": {
"en-us": {
"role": {
"label": "Fair Value Hierarchy and NAV [Axis]",
"documentation": "Information by level within fair value hierarchy and fair value measured at net asset value per share as practical expedient."
}
}
},
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"role": {
"label": "Measurement Basis [Axis]",
"documentation": "Information by measurement basis."
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"nsuri": "http://fasb.org/us-gaap/2024",
"localname": "FairValueInputsLevel1Member",
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"http://byrna.com/20250228/role/statement-note-7-marketable-debt-securities-schedule-of-fair-value-measurement-details"
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"label": "Fair Value, Inputs, Level 1 [Member]",
"documentation": "Quoted prices in active markets for identical assets or liabilities that the reporting entity can access at the measurement date."
}
}
},
"auth_ref": [
"r322",
"r345",
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"r730"
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"nsuri": "http://fasb.org/us-gaap/2024",
"localname": "FairValueInputsLevel2Member",
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"http://byrna.com/20250228/role/statement-note-7-marketable-debt-securities-schedule-of-fair-value-measurement-details"
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"en-us": {
"role": {
"label": "Fair Value, Inputs, Level 2 [Member]",
"documentation": "Inputs other than quoted prices included within level 1 that are observable for an asset or liability, either directly or indirectly, including, but not limited to, quoted prices for similar assets or liabilities in active markets, or quoted prices for identical or similar assets or liabilities in inactive markets."
}
}
},
"auth_ref": [
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"r438",
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"r490",
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"r730"
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"us-gaap_FairValueInputsLevel3Member": {
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"nsuri": "http://fasb.org/us-gaap/2024",
"localname": "FairValueInputsLevel3Member",
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],
"lang": {
"en-us": {
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"label": "Fair Value, Inputs, Level 3 [Member]",
"documentation": "Unobservable inputs that reflect the entity's own assumption about the assumptions market participants would use in pricing."
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}
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"nsuri": "http://fasb.org/us-gaap/2024",
"localname": "FairValueMeasurementsFairValueHierarchyDomain",
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],
"lang": {
"en-us": {
"role": {
"label": "Fair Value Hierarchy and NAV [Domain]",
"documentation": "Categories used to prioritize the inputs to valuation techniques to measure fair value."
}
}
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"us-gaap_FinancialInstrumentAxis": {
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"nsuri": "http://fasb.org/us-gaap/2024",
"localname": "FinancialInstrumentAxis",
"presentation": [
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"http://byrna.com/20250228/role/statement-note-7-marketable-debt-securities-schedule-of-securities-details"
],
"lang": {
"en-us": {
"role": {
"label": "Financial Instrument [Axis]",
"documentation": "Information by type of financial instrument."
}
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},
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"r238",
"r239",
"r240",

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   "r887"
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 "us-gaap_FinancialInstrumentsDisclosureTextBlock": {
  "xbrltype": "textBlockItemType",
  "nsuri": "http://fasb.org/us-gaap/2024",
  "localname": "FinancialInstrumentsDisclosureTextBlock",
  "presentation": [
   "http://byrna.com/20250228/role/statement-note-23-financial-instruments"
  ],
  "lang": {
   "en-us": {
    "role": {
     "label": "Financial Instruments Disclosure [Text Block]",
     "documentation": "The entire disclosure for financial instruments. This disclosure includes, but is not limited to, fair value measurements of short and long term marketable securities, international currencies forward contracts, and auction rate securities. Financial instruments may include hedging and non-hedging currency exchange instruments, derivatives, securitizations and securities available for sale at fair value. Also included are investment results, realized and unrealized gains and losses as well as impairments and risk management disclosures."
    }
   }
  },
  "auth_ref": []
 },
 "us-gaap_FiniteLivedIntangibleAssetUsefulLife": {
  "xbrltype": "durationItemType",
  "nsuri": "http://fasb.org/us-gaap/2024",
  "localname": "FiniteLivedIntangibleAssetUsefulLife",
  "presentation": [
   "http://byrna.com/20250228/role/statement-note-13-intangible-assets-components-of-intangible-assets-details"
  ],
  "lang": {
   "en-us": {
    "role": {
     "label": "Finite lived intangible assets, useful life (Year)",
     "documentation": "Useful life of finite-lived intangible assets, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents the reported fact of one year, five months, and thirteen days."
    }
   }
  },
  "auth_ref": []
 },
 "us-gaap_FiniteLivedIntangibleAssetsAccumulatedAmortization": {
  "xbrltype": "monetaryItemType",
  "nsuri": "http://fasb.org/us-gaap/2024",
  "localname": "FiniteLivedIntangibleAssetsAccumulatedAmortization",
  "crdr": "credit",
  "presentation": [
   "http://byrna.com/20250228/role/statement-note-13-intangible-assets-components-of-intangible-assets-details"
  ],
  "lang": {
   "en-us": {
    "role": {
     "label": "us-gaap_FiniteLivedIntangibleAssetsAccumulatedAmortization",
     "negatedLabel": "Intangible assets, accumulated amortization",
     "documentation": "Accumulated amount of amortization of assets, excluding financial assets and goodwill, lacking physical substance with a finite life."
    }
   }
  },
  "auth_ref": [
   "r146",
   "r287",
   "r300",
   "r715"
  ]
 },
 "us-gaap_FiniteLivedIntangibleAssetsAmortizationExpenseNextTwelveMonths": {
  "xbrltype": "monetaryItemType",
  "nsuri": "http://fasb.org/us-gaap/2024",
  "localname": "FiniteLivedIntangibleAssetsAmortizationExpenseNextTwelveMonths",
  "crdr": "debit",
  "calculation": {
   "http://byrna.com/20250228/role/statement-note-13-intangible-assets-estimated-future-amortization-expense-details": {
    "parentTag": "us-gaap_FiniteLivedIntangibleAssetsNet",
    "weight": 1.0,
    "order": 5.0
   }
  },
  "presentation": [
   "http://byrna.com/20250228/role/statement-note-13-intangible-assets-estimated-future-amortization-expense-details"
  ],
  "lang": {
   "en-us": {
    "role": {
     "label": "2026",
     "documentation": "Amount of amortization for assets, excluding financial assets and goodwill, lacking physical substance with finite life expected to be recognized in next fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)."
    }
   }
  },
  "auth_ref": [
   "r302",
   "r692",
   "r715"
  ]
 },
 "us-gaap_FiniteLivedIntangibleAssetsAmortizationExpenseRemainderOfFiscalYear": {
  "xbrltype": "monetaryItemType",
  "nsuri": "http://fasb.org/us-gaap/2024",
  "localname": "FiniteLivedIntangibleAssetsAmortizationExpenseRemainderOfFiscalYear",
  "crdr": "debit",
  "calculation": {
   "http://byrna.com/20250228/role/statement-note-13-intangible-assets-estimated-future-amortization-expense-details": {
    "parentTag": "us-gaap_FiniteLivedIntangibleAssetsNet",
    "weight": 1.0,
    "order": 4.0
   }
  },
  "presentation": [
   "http://byrna.com/20250228/role/statement-note-13-intangible-assets-estimated-future-amortization-expense-details"
  ],
  "lang": {
   "en-us": {
    "role": {
     "label": "2025 (remaining nine months)",
     "documentation": "Amount of amortization for assets, excluding financial assets and goodwill, lacking physical substance with finite life expected to be recognized in remainder of current fiscal year."
    }
   }
  },
  "auth_ref": [
   "r939"
  ]
 },
 "us-gaap_FiniteLivedIntangibleAssetsAmortizationExpenseYearFour": {
  "xbrltype": "monetaryItemType",
  "nsuri": "http://fasb.org/us-gaap/2024",
  "localname": "FiniteLivedIntangibleAssetsAmortizationExpenseYearFour",
  "crdr": "debit",
  "calculation": {
   "http://byrna.com/20250228/role/statement-note-13-intangible-assets-estimated-future-amortization-expense-details": {
    "parentTag": "us-gaap_FiniteLivedIntangibleAssetsNet",
    "weight": 1.0,
    "order": 0.0
   }
  },
  "presentation": [
   "http://byrna.com/20250228/role/statement-note-13-intangible-assets-estimated-future-amortization-expense-details"
  ],
  "lang": {
   "en-us": {
    "role": {
     "label": "2029",
     "documentation": "Amount of amortization for assets, excluding financial assets and goodwill, lacking physical substance with finite life expected to be recognized in fourth fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)."
    }
   }
  },
  "auth_ref": [
   "r302",
   "r692",
   "r715"
  ]
 },
 "us-gaap_FiniteLivedIntangibleAssetsAmortizationExpenseYearThree": {
  "xbrltype": "monetaryItemType",
  "nsuri": "http://fasb.org/us-gaap/2024",
  "localname": "FiniteLivedIntangibleAssetsAmortizationExpenseYearThree",
  "crdr": "debit",
  "calculation": {
   "http://byrna.com/20250228/role/statement-note-13-intangible-assets-estimated-future-amortization-expense-details": {
    "parentTag": "us-gaap_FiniteLivedIntangibleAssetsNet",
    "weight": 1.0,
    "order": 3.0
   }
  },
  "presentation": [
   "http://byrna.com/20250228/role/statement-note-13-intangible-assets-estimated-future-amortization-expense-details"
  ],
  "lang": {
   "en-us": {
    "role": {
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     "documentation": "Amount of amortization for assets, excluding financial assets and goodwill, lacking physical substance with finite life expected to be recognized in third fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)."
    }
   }
  },
  "auth_ref": [
   "r302",
   "r692",
   "r715"
  ]
 },
 "us-gaap_FiniteLivedIntangibleAssetsAmortizationExpenseYearTwo": {
  "xbrltype": "monetaryItemType",
  "nsuri": "http://fasb.org/us-gaap/2024",
  "localname": "FiniteLivedIntangibleAssetsAmortizationExpenseYearTwo",
  "crdr": "debit",
  "calculation": {
   "http://byrna.com/20250228/role/statement-note-13-intangible-assets-estimated-future-amortization-expense-details": {
    "parentTag": "us-gaap_FiniteLivedIntangibleAssetsNet",
    "weight": 1.0,
    "order": 2.0
   }
  },
  "presentation": [
   "http://byrna.com/20250228/role/statement-note-13-intangible-assets-estimated-future-amortization-expense-details"
  ],
  "lang": {
   "en-us": {
    "role": {
     "label": "2027",
     "documentation": "Amount of amortization for assets, excluding financial assets and goodwill, lacking physical substance with finite life expected to be recognized in second fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)."
    }
   }
  },
  "auth_ref": [
   "r302",
   "r692",
   "r715"
  ]
 },
 "us-gaap_FiniteLivedIntangibleAssetsByMajorClassAxis": {
  "xbrltype": "stringItemType",
  "nsuri": "http://fasb.org/us-gaap/2024",
  "localname": "FiniteLivedIntangibleAssetsByMajorClassAxis",
  "presentation": [
   "http://byrna.com/20250228/role/statement-note-13-intangible-assets-components-of-intangible-assets-details"
  ],
  "lang": {
   "en-us": {
    "role": {
     "label": "Finite-Lived Intangible Assets by Major Class [Axis]",
     "documentation": "Information by major type or class of finite-lived intangible assets."
    }
   }
  },
  "auth_ref": [
   "r293",
   "r295",
   "r296",
   "r297",
   "r299",
   "r300",
   "r304",
   "r305",
   "r520",
   "r524",
   "r692"
  ]
 },
 "us-gaap_FiniteLivedIntangibleAssetsMajorClassNameDomain": {
  "xbrltype": "domainItemType",
  "nsuri": "http://fasb.org/us-gaap/2024",
  "localname": "FiniteLivedIntangibleAssetsMajorClassNameDomain",
  "presentation": [
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  ],
  "lang": {
   "en-us": {
    "role": {
     "label": "Finite-Lived Intangible Assets, Major Class Name [Domain]",
     "documentation": "The major class of finite-lived intangible asset (for example, patents, trademarks, copyrights, etc.) A major class is composed of intangible assets that can be grouped together because they are similar, either by their nature or by their use in the operations of a company."
    }
   }
  },
  "auth_ref": [
   "r293",
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   "r297",
   "r299",
   "r300",
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   "r692"
  ]
 },
 "us-gaap_FiniteLivedIntangibleAssetsNet": {
  "xbrltype": "monetaryItemType",
  "nsuri": "http://fasb.org/us-gaap/2024",
  "localname": "FiniteLivedIntangibleAssetsNet",
  "crdr": "debit",
  "calculation": {
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    "parentTag": null,
    "weight": null,
    "order": null,
    "root": true
   }
  },
  "presentation": [
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  ],
  "lang": {
   "en-us": {
    "role": {
     "label": "us-gaap_FiniteLivedIntangibleAssetsNet",
     "totalLabel": "Total",
     "documentation": "Amount after amortization of assets, excluding financial assets and goodwill, lacking physical substance with a finite life."
    }
   }
  },
  "auth_ref": [
   "r520",
   "r835"
  ]
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 "byrn_FinitelivedIntangibleAssetExpectedAmortizationAfterYearFour": {
  "xbrltype": "monetaryItemType",
  "nsuri": "http://byrna.com/20250228",
  "localname": "FinitelivedIntangibleAssetExpectedAmortizationAfterYearFour",
  "crdr": "debit",
  "calculation": {
   "http://byrna.com/20250228/role/statement-note-13-intangible-assets-estimated-future-amortization-expense-details": {
    "parentTag": "us-gaap_FiniteLivedIntangibleAssetsNet",
    "weight": 1.0,
    "order": 1.0
   }
  },
  "presentation": [
   "http://byrna.com/20250228/role/statement-note-13-intangible-assets-estimated-future-amortization-expense-details"
  ],
  "lang": {
   "en-us": {
    "role": {
     "label": "Thereafter",
     "documentation": "Amount of amortization for asset, excluding financial asset and goodwill, lacking physical substance with finite life expected to be recognized after fourth fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)."
    }
   }
  },
  "auth_ref": []
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 "us-gaap_ForeignCurrencyTransactionGainLossBeforeTax": {
  "xbrltype": "monetaryItemType",
  "nsuri": "http://fasb.org/us-gaap/2024",
  "localname": "ForeignCurrencyTransactionGainLossBeforeTax",
  "crdr": "credit",
  "calculation": {
   "http://byrna.com/20250228/role/statement-condensed-consolidated-statements-of-operations-and-comprehensive-income-loss-unaudited": {
    "parentTag": "us-gaap_IncomeLossFromContinuingOperationsBeforeIncomeTaxesExtraordinaryItemsNoncontrollingInterest",
    "weight": 1.0,
    "order": 3.0
   }
  },
  "presentation": [
   "http://byrna.com/20250228/role/statement-condensed-consolidated-statements-of-operations-and-comprehensive-income-loss-unaudited"
  ],
  "lang": {
   "en-us": {
    "role": {
     "label": "Foreign currency transaction loss",
     "documentation": "Amount, before tax, of realized and unrealized gain (loss) from foreign currency transaction."
    }
   }
  },
  "auth_ref": [
   "r451",
   "r452",
   "r453",
   "r454",
   "r657"
  ]
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 "byrn_FortWayneIndianaMember": {
  "xbrltype": "domainItemType",
  "nsuri": "http://byrna.com/20250228",
  "localname": "FortWayneIndianaMember",
  "presentation": [
   "http://byrna.com/20250228/role/statement-note-1-nature-of-operations",
   "http://byrna.com/20250228/role/statement-note-1-nature-of-operations-details-textual",
   "http://byrna.com/20250228/role/statement-note-19-leases",
   "http://byrna.com/20250228/role/statement-note-19-leases-details-textual"
  ],
  "lang": {
   "en-us": {
    "role": {
     "label": "Fort Wayne, Indiana [Member]",
     "documentation": "Represents information regarding Fort Wayne, Indiana."
    }
   }
  },
  "auth_ref": []
 },
 "byrn_FranklinTennesseeMember": {
  "xbrltype": "domainItemType",
  "nsuri": "http://byrna.com/20250228",
  "localname": "FranklinTennesseeMember",
  "presentation": [
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   "http://byrna.com/20250228/role/statement-note-19-leases-details-textual"
  ],
  "lang": {
   "en-us": {
    "role": {
     "label": "Franklin, Tennessee [Member]",
     "documentation": "Represents information regarding Franklin, Tennessee."
    }
   }
  },
  "auth_ref": []
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 "us-gaap_FurnitureAndFixturesMember": {
  "xbrltype": "domainItemType",
  "nsuri": "http://fasb.org/us-gaap/2024",
  "localname": "FurnitureAndFixturesMember",
  "presentation": [
   "http://byrna.com/20250228/role/statement-note-12-property-and-equipment-summary-of-cost-and-accumulated-depreciation-details"
  ],
  "lang": {
   "en-us": {
    "role": {
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"label": "Fixtures and Furniture [Member]",
"documentation": "Equipment commonly used in offices and stores that have no permanent connection to the structure of a building or utilities. Examples include, but are not limited to, desks, chairs, tables, and bookcases."
}
}
},
"auth_ref": []
},
"us-gaap_Goodwill": {
"xbrltype": "monetaryItemType",
"nsuri": "http://fasb.org/us-gaap/2024",
"localname": "Goodwill",
"crdr": "debit",
"calculation": {
"http://byrna.com/20250228/role/statement-condensed-consolidated-balance-sheets-current-period-unaudited": {
"parentTag": "us-gaap_Assets",
"weight": 1.0,
"order": 5.0
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},
"presentation": [
"http://byrna.com/20250228/role/statement-condensed-consolidated-balance-sheets-current-period-unaudited"
],
"lang": {
"en-us": {
"role": {
"label": "Goodwill",
"documentation": "Amount, after accumulated impairment loss, of asset representing future economic benefit arising from other asset acquired in business combination or from joint venture formation or both, that is not individually identified and separately recognized."
}
}
},
"auth_ref": [
"r145",
"r289",
"r555",
"r708",
"r714",
"r731",
"r741",
"r826",
"r827"
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},
"us-gaap_GoodwillDisclosureTextBlock": {
"xbrltype": "textBlockItemType",
"nsuri": "http://fasb.org/us-gaap/2024",
"localname": "GoodwillDisclosureTextBlock",
"presentation": [
"http://byrna.com/20250228/role/statement-note-6-goodwill"
],
"lang": {
"en-us": {
"role": {
"label": "Goodwill Disclosure [Text Block]",
"documentation": "The entire disclosure for goodwill."
}
}
},
"auth_ref": [
"r288",
"r290",
"r291",
"r714"
]
},
"us-gaap_GrossProfit": {
"xbrltype": "monetaryItemType",
"nsuri": "http://fasb.org/us-gaap/2024",
"localname": "GrossProfit",
"crdr": "credit",
"calculation": {
"http://byrna.com/20250228/role/statement-condensed-consolidated-statements-of-operations-and-comprehensive-income-loss-unaudited": {
"parentTag": "us-gaap_OperatingIncomeLoss",
"weight": 1.0,
"order": 0.0
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},
"presentation": [
"http://byrna.com/20250228/role/statement-condensed-consolidated-statements-of-operations-and-comprehensive-income-loss-unaudited"
],
"lang": {
"en-us": {
"role": {
"label": "us-gaap_GrossProfit",
"totalLabel": "Gross profit",
"documentation": "Aggregate revenue less cost of goods and services sold or operating expenses directly attributable to the revenue generation activity."
}
}
},
"auth_ref": [
"r63",
"r68",
"r101",
"r166",
"r270",
"r313",
"r314",
"r315",
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"r319",
"r320",
"r321",
"r450",
"r703",
"r707",
"r808",
"r810",
"r811",
"r812",
"r813",
"r841"
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},
"us-gaap_IncomeLossFromContinuingOperationsBeforeIncomeTaxesExtraordinaryItemsNoncontrollingInterest": {
"xbrltype": "monetaryItemType",
"nsuri": "http://fasb.org/us-gaap/2024",
"localname": "IncomeLossFromContinuingOperationsBeforeIncomeTaxesExtraordinaryItemsNoncontrollingInterest",
"crdr": "credit",
"calculation": {
"http://byrna.com/20250228/role/statement-condensed-consolidated-statements-of-operations-and-comprehensive-income-loss-unaudited": {
"parentTag": "us-gaap_NetIncomeLoss",
"weight": 1.0,
"order": 0.0
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"presentation": [
"http://byrna.com/20250228/role/statement-condensed-consolidated-statements-of-operations-and-comprehensive-income-loss-unaudited"
],
"lang": {
"en-us": {
"role": {
"label": "us-gaap_IncomeLossFromContinuingOperationsBeforeIncomeTaxesExtraordinaryItemsNoncontrollingInterest",
"totalLabel": "INCOME BEFORE INCOME TAXES",
"documentation": "Amount of income (loss) from continuing operations, including income (loss) from equity method investments, before deduction of income tax expense (benefit), and income (loss) attributable to noncontrolling interest."
}
}
},
"auth_ref": [
"r64",
"r96",
"r101",
"r559",
"r576",
"r703",
"r707",
"r808",
"r810",
"r811",
"r812",
"r813"
]
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"us-gaap_IncomeLossFromEquityMethodInvestments": {
"xbrltype": "monetaryItemType",
"nsuri": "http://fasb.org/us-gaap/2024",
"localname": "IncomeLossFromEquityMethodInvestments",
"crdr": "credit",
"calculation": {
"http://byrna.com/20250228/role/statement-condensed-consolidated-statements-of-operations-and-comprehensive-income-loss-unaudited": {
"parentTag": "us-gaap_IncomeLossFromContinuingOperationsBeforeIncomeTaxesExtraordinaryItemsNoncontrollingInterest",
"weight": 1.0,
"order": 2.0
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"http://byrna.com/20250228/role/statement-condensed-consolidated-statements-of-cash-flows-unaudited": {
"parentTag": "us-gaap_NetCashProvidedByUsedInOperatingActivities",
"weight": -1.0,
"order": 3.0
}
},
"presentation": [
"http://byrna.com/20250228/role/statement-condensed-consolidated-statements-of-cash-flows-unaudited",
"http://byrna.com/20250228/role/statement-condensed-consolidated-statements-of-operations-and-comprehensive-income-loss-unaudited"
],
"lang": {
"en-us": {
"role": {
"label": "Loss from joint venture",
"negatedLabel": "Loss from joint venture",
"documentation": "Amount of income (loss) for proportionate share of equity method investee's income (loss)."
}
}
},
"auth_ref": [
"r5",
"r65",
"r95",
"r203",
"r213",
"r222",
"r265",
"r575"
]
},
"us-gaap_IncomeStatementAbstract": {
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"nsuri": "http://fasb.org/us-gaap/2024",
"localname": "IncomeStatementAbstract",
"lang": {
"en-us": {
"role": {
"label": "Income Statement [Abstract]"
}
}
},
"auth_ref": []
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"us-gaap_IncomeTaxDisclosureTextBlock": {
"xbrltype": "textBlockItemType",
"nsuri": "http://fasb.org/us-gaap/2024",
"localname": "IncomeTaxDisclosureTextBlock",
"presentation": [
"http://byrna.com/20250228/role/statement-note-20-income-taxes"
],
"lang": {
"en-us": {
"role": {
"label": "Income Tax Disclosure [Text Block]",
"documentation": "The entire disclosure for income tax."
}
}
},
"auth_ref": [
"r167",
"r391",
"r395",
"r396",
"r397",
"r398",
"r399",
"r400",
"r404",
"r406",
"r407",
"r408",
"r600",
"r729"
]
},
"us-gaap_IncomeTaxExpenseBenefit": {
"xbrltype": "monetaryItemType",
"nsuri": "http://fasb.org/us-gaap/2024",
"localname": "IncomeTaxExpenseBenefit",
"crdr": "debit",
"calculation": {
"http://byrna.com/20250228/role/statement-condensed-consolidated-statements-of-operations-and-comprehensive-income-loss-unaudited": {
"parentTag": "us-gaap_NetIncomeLoss",
"weight": -1.0,
"order": 1.0
}
},
"presentation": [
"http://byrna.com/20250228/role/statement-condensed-consolidated-statements-of-operations-and-comprehensive-income-loss-unaudited",
"http://byrna.com/20250228/role/statement-note-20-income-taxes-details-textual"
],
"lang": {
"en-us": {
"role": {
"label": "us-gaap_IncomeTaxExpenseBenefit",
"terseLabel": "Income Tax Expense (Benefit)",
"negatedLabel": "Income tax provision",
"documentation": "Amount of current income tax expense (benefit) and deferred income tax expense (benefit) pertaining to continuing operations."
}
}
},
"auth_ref": [
"r103",
"r109",
"r184",
"r185",
"r203",
"r214",
"r222",
"r394",
"r395",
"r405",
"r585",
"r729"
]
},
"us-gaap_IncreaseDecreaseInAccountsPayableAndAccruedLiabilities": {
"xbrltype": "monetaryItemType",
"nsuri": "http://fasb.org/us-gaap/2024",
"localname": "IncreaseDecreaseInAccountsPayableAndAccruedLiabilities",
"crdr": "debit",
"calculation": {
"http://byrna.com/20250228/role/statement-condensed-consolidated-statements-of-cash-flows-unaudited": {
"parentTag": "us-gaap_NetCashProvidedByUsedInOperatingActivities",
"weight": 1.0,
"order": 13.0
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},
"presentation": [
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"lang": {
"en-us": {
"role": {
"verboseLabel": "Accounts payable and accrued liabilities",
"label": "us-gaap_IncreaseDecreaseInAccountsPayableAndAccruedLiabilities",
"documentation": "The increase (decrease) during the reporting period in the amounts payable to vendors for goods and services received and the amount of obligations and expenses incurred but not paid."
}
}
},
"auth_ref": [
"r4"
]
},
"us-gaap_IncreaseDecreaseInAccountsReceivable": {
"xbrltype": "monetaryItemType",
"nsuri": "http://fasb.org/us-gaap/2024",
"localname": "IncreaseDecreaseInAccountsReceivable",
"crdr": "credit",
"calculation": {
"http://byrna.com/20250228/role/statement-condensed-consolidated-statements-of-cash-flows-unaudited": {
"parentTag": "us-gaap_NetCashProvidedByUsedInOperatingActivities",
"weight": -1.0,
"order": 9.0
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"presentation": [
"http://byrna.com/20250228/role/statement-condensed-consolidated-statements-of-cash-flows-unaudited"
],
"lang": {
"en-us": {
"role": {
"label": "us-gaap_IncreaseDecreaseInAccountsReceivable",
"negatedLabel": "Accounts receivable",
"documentation": "The increase (decrease) during the reporting period in amount due within one year (or one business cycle) from customers for the credit sale of goods and services."
}
}
},
"auth_ref": [
"r4"
]
},
"us-gaap_IncreaseDecreaseInContractWithCustomerLiability": {
"xbrltype": "monetaryItemType",
"nsuri": "http://fasb.org/us-gaap/2024",
"localname": "IncreaseDecreaseInContractWithCustomerLiability",
"crdr": "debit",
"calculation": {
"http://byrna.com/20250228/role/statement-condensed-consolidated-statements-of-cash-flows-unaudited": {
"parentTag": "us-gaap_NetCashProvidedByUsedInOperatingActivities",
"weight": 1.0,
"order": 10.0
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"presentation": [
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],
"lang": {
"en-us": {
"role": {
"verboseLabel": "Deferred revenue",
"label": "us-gaap_IncreaseDecreaseInContractWithCustomerLiability",
"documentation": "Amount of increase (decrease) in obligation to transfer good or service to customer for which consideration has been received or is receivable."
}
}
},
"auth_ref": [
"r518",
"r799"
]
},
"us-gaap_IncreaseDecreaseInInventories": {
"xbrltype": "monetaryItemType",
"nsuri": "http://fasb.org/us-gaap/2024",
"localname": "IncreaseDecreaseInInventories",
"crdr": "credit",
"calculation": {
"http://byrna.com/20250228/role/statement-condensed-consolidated-statements-of-cash-flows-unaudited": {
"parentTag": "us-gaap_NetCashProvidedByUsedInOperatingActivities",
"weight": -1.0,
"order": 7.0
}
},
"presentation": [
"http://byrna.com/20250228/role/statement-condensed-consolidated-statements-of-cash-flows-unaudited"
],
"lang": {
"en-us": {
"role": {
"label": "us-gaap_IncreaseDecreaseInInventories",
"negatedLabel": "Inventory",
"documentation": "The increase (decrease) during the reporting period in the aggregate value of all inventory held by the reporting entity, associated with underlying transactions that are classified as operating activities."
}
}
},
"auth_ref": [
"r4"
]
},
"us-gaap_IncreaseDecreaseInOperatingCapitalAbstract": {
"xbrltype": "stringItemType",
"nsuri": "http://fasb.org/us-gaap/2024",
"localname": "IncreaseDecreaseInOperatingCapitalAbstract",
"presentation": [
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],
"lang": {
"en-us": {
"role": {
"label": "Changes in assets and liabilities:"
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}
},
"auth_ref": []
},
"us-gaap_IncreaseDecreaseInOperatingLeaseLiability": {
"xbrltype": "monetaryItemType",
"nsuri": "http://fasb.org/us-gaap/2024",
"localname": "IncreaseDecreaseInOperatingLeaseLiability",
"crdr": "debit",
"calculation": {
"http://byrna.com/20250228/role/statement-condensed-consolidated-statements-of-cash-flows-unaudited": {
"parentTag": "us-gaap_NetCashProvidedByUsedInOperatingActivities",
"weight": 1.0,
"order": 11.0
}
},
"presentation": [
"http://byrna.com/20250228/role/statement-condensed-consolidated-statements-of-cash-flows-unaudited"
],
"lang": {
"en-us": {
"role": {
"verboseLabel": "Operating lease liabilities",
"label": "us-gaap_IncreaseDecreaseInOperatingLeaseLiability",
"documentation": "Amount of increase (decrease) in obligation for operating lease."
}
}
},
"auth_ref": [
"r780",
"r799"
]
},
"us-gaap_IncreaseDecreaseInOtherOperatingAssets": {
"xbrltype": "monetaryItemType",
"nsuri": "http://fasb.org/us-gaap/2024",
"localname": "IncreaseDecreaseInOtherOperatingAssets",
"crdr": "credit",
"calculation": {
"http://byrna.com/20250228/role/statement-condensed-consolidated-statements-of-cash-flows-unaudited": {
"parentTag": "us-gaap_NetCashProvidedByUsedInOperatingActivities",
"weight": -1.0,
"order": 12.0
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"presentation": [
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],
"lang": {
"en-us": {
"role": {
"label": "us-gaap_IncreaseDecreaseInOtherOperatingAssets",
"negatedLabel": "Other assets",
"documentation": "Amount of increase (decrease) in operating assets classified as other."
}
}
},
"auth_ref": [
"r4"
]
},
"us-gaap_IncreaseDecreaseInPrepaidDeferredExpenseAndOtherAssets": {
"xbrltype": "monetaryItemType",
"nsuri": "http://fasb.org/us-gaap/2024",
"localname": "IncreaseDecreaseInPrepaidDeferredExpenseAndOtherAssets",
"crdr": "credit",
"calculation": {
"http://byrna.com/20250228/role/statement-condensed-consolidated-statements-of-cash-flows-unaudited": {
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"weight": -1.0,
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"negatedLabel": "Prepaid expenses and other current assets",
"documentation": "Amount of increase (decrease) in prepaid expenses, and assets classified as other."
}

  }
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  "r4"
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 "localname": "IncrementalCommonSharesAttributableToDilutiveEffectOfStockOptions",
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  "http://byrna.com/20250228/role/statement-note-17-earnings-per-share-weightedaverage-number-of-shares-outstanding-reconciliation-details": {
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   "weight": 1.0,
   "order": 1.0
  }
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   "role": {
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    "documentation": "Additional shares included in the calculation of diluted EPS as a result of the potentially dilutive effect of stock options using the treasury stock method."
   }
  }
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 "auth_ref": []
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   "weight": 1.0,
   "order": 0.0
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    "documentation": "Additional shares included in the calculation of diluted EPS as a result of the potentially dilutive effect of share based payment arrangements using the treasury stock method."
   }
  }
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 "auth_ref": [
  "r192",
  "r193",
  "r194",
  "r198",
  "r355"
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 "nsuri": "http://fasb.org/us-gaap/2024",
 "localname": "IndefiniteLivedIntangibleAssetsByMajorClassAxis",
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 ],
 "lang": {
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    "label": "Indefinite-Lived Intangible Assets [Axis]",
    "documentation": "Information by type or class of assets, excluding financial assets and goodwill, lacking physical substance and having a projected indefinite period of benefit."
   }
  }
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 "auth_ref": [
  "r293",
  "r298",
  "r303",
  "r715"
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"us-gaap_IndefiniteLivedIntangibleAssetsMajorClassNameDomain": {
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 "nsuri": "http://fasb.org/us-gaap/2024",
 "localname": "IndefiniteLivedIntangibleAssetsMajorClassNameDomain",
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 "lang": {
  "en-us": {
   "role": {
    "label": "Indefinite-Lived Intangible Assets, Major Class Name [Domain]",
    "documentation": "The major class of indefinite-lived intangible asset (for example, trade names, etc. but not all-inclusive), excluding goodwill. A major class is composed of intangible assets that can be grouped together because they are similar, either by their nature or by their use in the operations of the company."
   }
  }
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 "localname": "InsiderTradingArrLineItems",
 "auth_ref": [
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"us-gaap_IntangibleAssetsDisclosureTextBlock": {
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  "en-us": {
   "role": {
    "label": "Intangible Assets Disclosure [Text Block]",
    "documentation": "The entire disclosure for all or part of the information related to intangible assets."
   }
  }
 },
 "auth_ref": [
  "r292",
  "r306",
  "r307",
  "r691",
  "r692"
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"us-gaap_IntangibleAssetsGrossExcludingGoodwill": {
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 "nsuri": "http://fasb.org/us-gaap/2024",
 "localname": "IntangibleAssetsGrossExcludingGoodwill",
 "crdr": "debit",
 "presentation": [
  "http://byrna.com/20250228/role/statement-note-13-intangible-assets-components-of-intangible-assets-details"
 ],
 "lang": {
  "en-us": {
   "role": {
    "label": "Intangible assets, gross carrying amount",
    "documentation": "Amount before accumulated amortization of intangible assets, excluding goodwill."
   }
  }
 },
 "auth_ref": [
  "r145"
 ]
},
"us-gaap_IntangibleAssetsNetExcludingGoodwill": {
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 "nsuri": "http://fasb.org/us-gaap/2024",
 "localname": "IntangibleAssetsNetExcludingGoodwill",
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  }
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  "http://byrna.com/20250228/role/statement-condensed-consolidated-balance-sheets-current-period-unaudited",
  "http://byrna.com/20250228/role/statement-note-13-intangible-assets-components-of-intangible-assets-details"
 ],
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  "en-us": {
   "role": {
    "verboseLabel": "Intangible assets, net",
    "label": "Intangible assets, net carrying amount",
    "documentation": "Sum of the carrying amounts of all intangible assets, excluding goodwill, as of the balance sheet date, net of accumulated amortization and impairment charges."
   }
  }
 },
 "auth_ref": [
  "r293",
  "r835",
  "r837"
 ]
},
"us-gaap_InterestIncomeExpenseNonoperatingNet": {
 "xbrltype": "monetaryItemType",
 "nsuri": "http://fasb.org/us-gaap/2024",
 "localname": "InterestIncomeExpenseNonoperatingNet",
 "crdr": "credit",
 "calculation": {
  "http://byrna.com/20250228/role/statement-condensed-consolidated-statements-of-operations-and-comprehensive-income-loss-unaudited": {
   "parentTag": "us-gaap_IncomeLossFromContinuingOperationsBeforeIncomeTaxesExtraordinaryItemsNoncontrollingInterest",
   "weight": 1.0,
   "order": 1.0
  }
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 "presentation": [
  "http://byrna.com/20250228/role/statement-condensed-consolidated-statements-of-operations-and-comprehensive-income-loss-unaudited"
 ],
 "lang": {
  "en-us": {
   "role": {
    "label": "Interest income",
    "documentation": "Amount of interest income (expense) classified as nonoperating."
   }
  }
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  "r707",
  "r798",
  "r810"
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"us-gaap_InterestIncomeFinancingReceivableBeforeAllowanceForCreditLoss": {
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 "nsuri": "http://fasb.org/us-gaap/2024",
 "localname": "InterestIncomeFinancingReceivableBeforeAllowanceForCreditLoss",
 "crdr": "credit",
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    "documentation": "Amount of interest income from financing receivable before allowance for credit loss."
   }
  }
 },
 "auth_ref": [
  "r113",
  "r114"
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 "localname": "InterestReceivable",
 "crdr": "debit",
 "presentation": [
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  "en-us": {
   "role": {
    "label": "us-gaap_InterestReceivable",
    "terseLabel": "Interest Receivable",
    "documentation": "Carrying amount as of the balance sheet date of interest earned but not received. Also called accrued interest or accrued interest receivable."
   }
  }
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 "auth_ref": [
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  "r938"
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"us-gaap_InventoryDisclosureTextBlock": {
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 "nsuri": "http://fasb.org/us-gaap/2024",
 "localname": "InventoryDisclosureTextBlock",
 "presentation": [
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 ],
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    "documentation": "The entire disclosure for inventory. Includes, but is not limited to, the basis of stating inventory, the method of determining inventory cost, the classes of inventory, and the nature of the cost elements included in inventory."
   }
  }
 },
 "auth_ref": [
  "r288"
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"us-gaap_InventoryFinishedGoodsNetOfReserves": {
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 "nsuri": "http://fasb.org/us-gaap/2024",
 "localname": "InventoryFinishedGoodsNetOfReserves",
 "crdr": "debit",
 "calculation": {
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   "weight": 1.0,
   "order": 0.0
  }
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 ],
 "lang": {
  "en-us": {
   "role": {
    "label": "Finished goods",
    "documentation": "Carrying amount, net of valuation reserves and adjustments, as of the balance sheet date of merchandise or goods held by the company that are readily available for sale."
   }
  }
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 "auth_ref": [
  "r79",
  "r697"
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"us-gaap_InventoryNet": {
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 "crdr": "debit",
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   "weight": 1.0,
   "order": 1.0
  },
  "http://byrna.com/20250228/role/statement-note-11-inventory-summary-of-inventory-details": {
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   "weight": null,
   "order": null,
   "root": true
  }
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  "http://byrna.com/20250228/role/statement-note-11-inventory-summary-of-inventory-details"
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  "en-us": {
   "role": {
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    "totalLabel": "Total",
    "terseLabel": "Inventory, net",
    "documentation": "Amount after valuation and LIFO reserves of inventory expected to be sold, or consumed within one year or operating cycle, if longer."
   }
  }
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 "auth_ref": [
  "r151",
  "r695",
  "r741"
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"us-gaap_InventoryRawMaterialsNetOfReserves": {
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 "localname": "InventoryRawMaterialsNetOfReserves",
 "crdr": "debit",
 "calculation": {
  "http://byrna.com/20250228/role/statement-note-11-inventory-summary-of-inventory-details": {
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   "order": 2.0
  }
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 "presentation": [
  "http://byrna.com/20250228/role/statement-note-11-inventory-summary-of-inventory-details"
 ],
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  "en-us": {
   "role": {
    "label": "Raw materials",
    "documentation": "Carrying amount, net of valuation reserves and adjustments, as of the balance sheet date of unprocessed items to be consumed in the manufacturing or production process."
   }
  }
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 "auth_ref": [
  "r78",
  "r699"
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"us-gaap_InventoryWorkInProcessNetOfReserves": {
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 "nsuri": "http://fasb.org/us-gaap/2024",
 "localname": "InventoryWorkInProcessNetOfReserves",
 "crdr": "debit",
 "calculation": {
  "http://byrna.com/20250228/role/statement-note-11-inventory-summary-of-inventory-details": {
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   "weight": 1.0,
   "order": 1.0
  }
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 "presentation": [
  "http://byrna.com/20250228/role/statement-note-11-inventory-summary-of-inventory-details"
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 "lang": {
  "en-us": {
   "role": {
    "label": "Work in process",
    "documentation": "Carrying amount, net of reserves and adjustments, as of the balance sheet date of merchandise or goods which are partially completed. This inventory is generally comprised of raw materials, labor and factory overhead costs, which require further materials, labor and overhead to be converted into finished goods, and which generally require the use of estimates to determine percentage complete and pricing."
   }
  }
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  "r698"
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"us-gaap_InvestmentsClassifiedByContractualMaturityDateTableTextBlock": {
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 "localname": "InvestmentsClassifiedByContractualMaturityDateTableTextBlock",
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  "en-us": {
   "role": {
    "label": "Investments Classified by Contractual Maturity Date [Table Text Block]",
    "documentation": "Tabular disclosure of maturities of an entity's investments as well as any other information pertinent to the investments."
   }
  }
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"us-gaap_InvestmentsFairValueDisclosure": {
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 "nsuri": "http://fasb.org/us-gaap/2024",
 "localname": "InvestmentsFairValueDisclosure",
 "crdr": "debit",
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   "role": {
    "label": "Investments",
    "documentation": "Fair value portion of investment securities, including, but not limited to, marketable securities, derivative financial instruments, and investments accounted for under the equity method."
   }
  }
 },
 "auth_ref": [
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  "[illegible]"
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 "localname": "InvestmentsInDebtAndMarketableEquitySecuritiesAndCertainTradingAssetsDisclosureTextBlock",
 "presentation": [
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 ],
 "lang": {
  "en-us": {
   "role": {
    "label": "Investments in Debt and Marketable Equity Securities (and Certain Trading Assets) Disclosure [Text Block]",
    "documentation": "The entire disclosure for investments in certain debt and equity securities."
   }
  }
 },
 "auth_ref": [
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"byrn_LasVegasNevadaMember": {
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 "nsuri": "http://byrna.com/20250228",
 "localname": "LasVegasNevadaMember",
 "presentation": [
  "http://byrna.com/20250228/role/statement-note-16-leases",
  "http://byrna.com/20250228/role/statement-note-16-leases-details-textual"
 ],
 "lang": {
  "en-us": {
   "role": {
    "label": "Las Vegas, Nevada [Member]",
    "documentation": "[illegible]"
   }
  }
 },
 "auth_ref": []
},
"us-gaap_LeaseContractualTermAxis": {
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 "nsuri": "http://fasb.org/us-gaap/2024",
 "localname": "LeaseContractualTermAxis",
 "presentation": [
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"http://byrna.com/20250228/role/statement-note-19-leases-details-textual"
],
"lang": {
"en-us": {
"role": {
"label": "Lease Contractual Term [Axis]",
"documentation": "Information by contractual term of lease arrangement."
}
}
},
"auth_ref": [
"r475",
"r779"
]
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"us-gaap_LeaseContractualTermDomain": {
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"nsuri": "http://fasb.org/us-gaap/2024",
"localname": "LeaseContractualTermDomain",
"presentation": [
"http://byrna.com/20250228/role/statement-note-19-leases",
"http://byrna.com/20250228/role/statement-note-19-leases-details-textual"
],
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"en-us": {
"role": {
"label": "Lease Contractual Term [Domain]",
"documentation": "Contractual term of lease arrangement."
}
}
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"r475",
"r779"
]
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"us-gaap_LeaseCost": {
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"nsuri": "http://fasb.org/us-gaap/2024",
"localname": "LeaseCost",
"crdr": "debit",
"calculation": {
"http://byrna.com/20250228/role/statement-note-19-leases-elements-of-lease-expense-details": {
"parentTag": null,
"weight": null,
"order": null,
"root": true
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"presentation": [
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],
"lang": {
"en-us": {
"role": {
"label": "us-gaap_LeaseCost",
"totalLabel": "Total lease cost",
"documentation": "Amount of lease cost recognized by lessee for lease contract."
}
}
},
"auth_ref": [
"r467",
"r740"
]
},
"us-gaap_LeaseCostTableTextBlock": {
"xbrltype": "textBlockItemType",
"nsuri": "http://fasb.org/us-gaap/2024",
"localname": "LeaseCostTableTextBlock",
"presentation": [
"http://byrna.com/20250228/role/statement-note-19-leases-tables"
],
"lang": {
"en-us": {
"role": {
"label": "Lease, Cost [Table Text Block]",
"documentation": "Tabular disclosure of lessee's lease cost. Includes, but is not limited to, interest expense for finance lease, amortization of right-of-use asset for finance lease, operating lease cost, short-term lease cost, variable lease cost and sublease income."
}
}
},
"auth_ref": [
"r892"
]
},
"us-gaap_LeaseExpirationDate1": {
"xbrltype": "dateItemType",
"nsuri": "http://fasb.org/us-gaap/2024",
"localname": "LeaseExpirationDate1",
"presentation": [
"http://byrna.com/20250228/role/statement-note-19-leases-details-textual"
],
"lang": {
"en-us": {
"role": {
"label": "us-gaap_LeaseExpirationDate1",
"terseLabel": "Lease expiration date",
"documentation": "Date which lease or group of leases is set to expire, in YYYY-MM-DD format."
}
}
},
"auth_ref": []
},
"us-gaap_LeaseholdImprovementsMember": {
"xbrltype": "domainItemType",
"nsuri": "http://fasb.org/us-gaap/2024",
"localname": "LeaseholdImprovementsMember",
"presentation": [
"http://byrna.com/20250228/role/statement-note-11-property-and-equipment-summary-of-cost-and-accumulated-depreciation-details"
],
"lang": {
"en-us": {
"role": {
"label": "Leasehold Improvements [Member]",
"documentation": "Additions or improvements to assets held under a lease arrangement."
}
}
},
"auth_ref": [
"r64",
"r418"
]
},
"dei_LegalEntityAxis": {
"xbrltype": "stringItemType",
"nsuri": "http://xbrl.sec.gov/dei/2024",
"localname": "LegalEntityAxis",
"presentation": [
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"http://byrna.com/20250228/role/statement-note-7-marketable-debt-securities-schedule-of-securities-by-maturity-details",
"http://byrna.com/20250228/role/statement-note-7-marketable-debt-securities-schedule-of-securities-details",
"http://byrna.com/20250228/role/statement-note-7-marketable-debt-securities-tables",
"http://byrna.com/20250228/role/statement-note-8-investment-in-joint-venture",
"http://byrna.com/20250228/role/statement-note-8-investment-in-joint-venture-details-textual",
"http://byrna.com/20250228/role/statement-note-9-advertising-costs",
"http://byrna.com/20250228/role/statement-note-9-advertising-costs-details-textual"
],
"lang": {
"en-us": {
"role": {
"label": "Legal Entity [Axis]",
"documentation": "The set of legal entities associated with a report."
}
}
},
"auth_ref": []
},
"us-gaap_LesseeOperatingLeaseLiabilityMaturityTableTextBlock": {
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"nsuri": "http://fasb.org/us-gaap/2024",
"localname": "LesseeOperatingLeaseLiabilityMaturityTableTextBlock",
"presentation": [
"http://byrna.com/20250228/role/statement-note-19-leases-tables"
],
"lang": {
"en-us": {
"role": {
"label": "Lessee, Operating Lease, Liability, to be Paid, Maturity [Table Text Block]",
"documentation": "Tabular disclosure of undiscounted cash flows of lessee's operating lease liability. Includes, but is not limited to, reconciliation of undiscounted cash flows to operating lease liability recognized in statement of financial position."
}
}
},
"auth_ref": [
"r892"
]
},
"us-gaap_LesseeOperatingLeaseLiabilityPaymentsDue": {
"xbrltype": "monetaryItemType",
"nsuri": "http://fasb.org/us-gaap/2024",
"localname": "LesseeOperatingLeaseLiabilityPaymentsDue",
"crdr": "credit",
"calculation": {
"http://byrna.com/20250228/role/statement-note-19-leases-future-lease-payments-under-noncancelable-operating-leases-details": {
"parentTag": null,
"weight": null,
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"role": {
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"totalLabel": "Total lease payments",
"documentation": "Amount of lessee's undiscounted obligation for lease payment for operating lease."
}
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"auth_ref": [
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"byrn_LesseeOperatingLeaseLiabilityPaymentsDueAfterYearFour": {
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"localname": "LesseeOperatingLeaseLiabilityPaymentsDueAfterYearFour",
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"terseLabel": "Thereafter",
"documentation": "Amount of lessee's undiscounted obligation for lease payment for operating lease due after fourth fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)."
}
}
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"auth_ref": []
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"us-gaap_LesseeOperatingLeaseLiabilityPaymentsDueNextTwelveMonths": {
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"nsuri": "http://fasb.org/us-gaap/2024",
"localname": "LesseeOperatingLeaseLiabilityPaymentsDueNextTwelveMonths",
"crdr": "credit",
"calculation": {
"http://byrna.com/20250228/role/statement-note-19-leases-future-lease-payments-under-noncancelable-operating-leases-details": {
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"weight": 1.0,
"order": 5.0
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"terseLabel": "2026",
"documentation": "Amount of lessee's undiscounted obligation for lease payment for operating lease to be paid in next fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)."
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"auth_ref": [
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"us-gaap_LesseeOperatingLeaseLiabilityPaymentsDueYearFour": {
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"localname": "LesseeOperatingLeaseLiabilityPaymentsDueYearFour",
"crdr": "credit",
"calculation": {
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"documentation": "Amount of lessee's undiscounted obligation for lease payment for operating lease to be paid in fourth fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)."
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"auth_ref": [
"r473"
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"us-gaap_LesseeOperatingLeaseLiabilityPaymentsDueYearThree": {
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"localname": "LesseeOperatingLeaseLiabilityPaymentsDueYearThree",
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"calculation": {
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"weight": 1.0,
"order": 3.0
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"en-us": {
"role": {
"label": "us-gaap_LesseeOperatingLeaseLiabilityPaymentsDueYearThree",
"terseLabel": "2028",
"documentation": "Amount of lessee's undiscounted obligation for lease payment for operating lease to be paid in third fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)."
}
}
},
"auth_ref": [
"r473"
]
},
"us-gaap_LesseeOperatingLeaseLiabilityPaymentsDueYearTwo": {
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"localname": "LesseeOperatingLeaseLiabilityPaymentsDueYearTwo",
"crdr": "credit",
"calculation": {
"http://byrna.com/20250228/role/statement-note-19-leases-future-lease-payments-under-noncancelable-operating-leases-details": {
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"weight": 1.0,
"order": 2.0
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"http://byrna.com/20250228/role/statement-note-19-leases-future-lease-payments-under-noncancelable-operating-leases-details"
],
"lang": {
"en-us": {
"role": {
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"terseLabel": "2027",
"documentation": "Amount of lessee's undiscounted obligation for lease payment for operating lease to be paid in second fiscal year following current fiscal year. Excludes interim and annual periods when interim periods are reported from current statement of financial position date (rolling approach)."
}
}
},
"auth_ref": [
"r473"
]
},
"us-gaap_LesseeOperatingLeaseLiabilityPaymentsRemainderOfFiscalYear": {
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"localname": "LesseeOperatingLeaseLiabilityPaymentsRemainderOfFiscalYear",
"crdr": "credit",
"calculation": {
"http://byrna.com/20250228/role/statement-note-19-leases-future-lease-payments-under-noncancelable-operating-leases-details": {
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"weight": 1.0,
"order": 4.0
}
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"en-us": {
"role": {
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"terseLabel": "2025 (nine months)",
"documentation": "Amount of lessee's undiscounted obligation for lease payment for operating lease having initial or remaining lease term in excess of one year to be paid in remainder of current fiscal year."
}
}
},
"auth_ref": [
"r892"
]
},
"us-gaap_LesseeOperatingLeaseLiabilityUndiscountedExcessAmount": {
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"nsuri": "http://fasb.org/us-gaap/2024",
"localname": "LesseeOperatingLeaseLiabilityUndiscountedExcessAmount",
"crdr": "credit",
"presentation": [
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"role": {
"label": "Less: imputed interest",
"documentation": "Amount of lessee's undiscounted obligation for lease payments in excess of discounted obligation for lease payments for operating lease."
}
}
},
"auth_ref": [
"r473"
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},
"us-gaap_LesseeOperatingLeaseTermOfContract": {
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"localname": "LesseeOperatingLeaseTermOfContract",
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],
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"en-us": {
"role": {
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"documentation": "Term of lessee's operating lease, in 'PnYnMnDTnHnMnS' format, for example, 'P1Y5M13D' represents reported fact of one year, five months, and thirteen days."
}
}
},
"auth_ref": [
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},
"us-gaap_LesseeOperatingLeasesTextBlock": {
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"presentation": [
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],
"lang": {
"en-us": {
"role": {
"label": "Lessee, Operating Leases [Text Block]",
"documentation": "The entire disclosure for operating leases of lessee. Includes, but is not limited to, description of operating lease and maturity analysis of operating lease liability."
}
}
},
"auth_ref": [
"r462"
]
},
"us-gaap_Liabilities": {
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"localname": "Liabilities",
"crdr": "credit",

"calculation": {
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  "weight": 1.0,
  "order": 1.0
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"presentation": [
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],
"lang": {
 "en-us": {
  "role": {
   "label": "us-gaap_Liabilities",
   "totalLabel": "Total liabilities",
   "documentation": "Amount of liability recognized for present obligation requiring transfer or otherwise providing economic benefit to others."
  }
 }
},
"auth_ref": [
 "r13",
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 "r421",
 "r422",
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 "localname": "LiabilitiesAndStockholdersEquity",
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  "en-us": {
   "role": {
    "label": "us-gaap_LiabilitiesAndStockholdersEquity",
    "totalLabel": "TOTAL LIABILITIES AND STOCKHOLDERS\u2019 EQUITY",
    "documentation": "Amount of liabilities and equity items, including the portion of equity attributable to noncontrolling interests, if any."
   }
  }
 },
 "auth_ref": [
  "r58",
  "r93",
  "r571",
  "r741",
  "r801",
  "r824",
  "r888"
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"us-gaap_LiabilitiesCurrent": {
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 "nsuri": "http://fasb.org/us-gaap/2024",
 "localname": "LiabilitiesCurrent",
 "crdr": "credit",
 "calculation": {
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   "weight": 1.0,
   "order": 1.0
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    "label": "us-gaap_LiabilitiesCurrent",
    "totalLabel": "Total current liabilities",
    "documentation": "Total obligations incurred as part of normal operations that are expected to be paid during the following twelve months or within one business cycle, if longer."
   }
  }
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 "auth_ref": [
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  "r166",
  "r270",
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"us-gaap_LiabilitiesCurrentAbstract": {
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 "nsuri": "http://fasb.org/us-gaap/2024",
 "localname": "LiabilitiesCurrentAbstract",
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    "label": "CURRENT LIABILITIES"
   }
  }
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 "auth_ref": []
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"us-gaap_LiabilitiesNoncurrentAbstract": {
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 "nsuri": "http://fasb.org/us-gaap/2024",
 "localname": "LiabilitiesNoncurrentAbstract",
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    "label": "LONG TERM LIABILITIES"
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  }
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 "xbrltype": "monetaryItemType",
 "nsuri": "http://fasb.org/us-gaap/2024",
 "localname": "LoansAndLeasesReceivableRelatedParties",
 "crdr": "debit",
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 "lang": {
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 "auth_ref": [
  [illegible]
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},
"us-gaap_LoansReceivableBasisSpreadOnVariableRate1": {
 "xbrltype": "percentItemType",
 "nsuri": "http://fasb.org/us-gaap/2024",
 "localname": "LoansReceivableBasisSpreadOnVariableRate1",
 "presentation": [
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 "lang": {
  "en-us": {
   "role": {
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    "documentation": "Percentage added to reference rate used to compute variable rate on loan receivable."
   }
  }
 },
 "auth_ref": []
},
"byrn_LoansReceivableFixedInterestRate": {
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 "lang": {
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   "role": {
    [illegible]
    "documentation": "Rate of interest on loan receivable."
   }
  }
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 "auth_ref": []
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"us-gaap_LoansReceivableWithFixedRatesOfInterest1": {
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 "nsuri": "http://fasb.org/us-gaap/2024",
 "localname": "LoansReceivableWithFixedRatesOfInterest1",
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   "role": {
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    "documentation": "Amount of loan with fixed rate of interest."
   }
  }
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 "auth_ref": [
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},
"dei_LocalPhoneNumber": {
 "xbrltype": "normalizedStringItemType",
 [illegible]
 "localname": "LocalPhoneNumber",
 "presentation": [
  [illegible]
 ],
 "lang": {
  "en-us": {
   "role": {
    "label": "Local Phone Number",
    "documentation": "Local phone number for entity."
   }
  }
 },
 "auth_ref": []
},
"us-gaap_MachineryAndEquipmentMember": {
 "xbrltype": "domainItemType",
 "nsuri": "http://fasb.org/us-gaap/2024",
 "localname": "MachineryAndEquipmentMember",
 "presentation": [
  "http://byrna.com/20250228/role/statement-note-12-property-and-equipment-summary-of-cost-and-accumulated-depreciation-details"
 ],
 "lang": {
  "en-us": {
   "role": {
    "label": "Machinery and Equipment [Member]",
    "documentation": "Tangible personal property used to produce goods and services, including, but is not limited to, tools, dies and molds, computer and office equipment."
   }
  }
 },
 "auth_ref": []
},
"srt_MajorCustomersAxis": {
 "xbrltype": "stringItemType",
 "nsuri": "http://fasb.org/srt/2024",
 "localname": "MajorCustomersAxis",
 "presentation": [
  "http://byrna.com/20250228/role/statement-note-23-financial-instruments",
  "http://byrna.com/20250228/role/statement-note-23-financial-instruments-details-textual"
 ],
 "lang": {
  "en-us": {
   "role": {
    "label": "Customer [Axis]",
    "documentation": "Information by name or description of a single external customer or a group of external customers."
   }
  }
 },
 "auth_ref": [
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"byrn_MarketPriceOfCompanysCommonStockOnDateOfGrant": {
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 "nsuri": "http://byrna.com/20250228",
 "localname": "MarketPriceOfCompanysCommonStockOnDateOfGrant",
 "presentation": [
  "http://byrna.com/20250228/role/statement-note-16-stockbased-compensation-valuation-assumptions-details"
 ],
 "lang": {
  "en-us": {
   "role": {
    "label": "Market price of the Company\u2019s Common Stock on date of grant (in dollars per share)",
    "documentation": "Represents the market price of the Company's common stock on date of grant."
   }
  }
 },
 "auth_ref": []
},
"us-gaap_MarketableSecuritiesCurrent": {
 "xbrltype": "monetaryItemType",
 "nsuri": "http://fasb.org/us-gaap/2024",
 "localname": "MarketableSecuritiesCurrent",
 "crdr": "debit",
 "calculation": {
  "http://byrna.com/20250228/role/statement-condensed-consolidated-balance-sheets-current-period-unaudited": {
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   "weight": 1.0,
   "order": 4.0
  }
 },
 "presentation": [
  "http://byrna.com/20250228/role/statement-condensed-consolidated-balance-sheets-current-period-unaudited"
 ],
 "lang": {
  "en-us": {
   "role": {
    "label": "Marketable debt securities",
    "documentation": "Amount of investment in marketable security, classified as current."
   }
  }
 },
 "auth_ref": [
  "r790"
 ]
},
"us-gaap_MarketableSecuritiesTextBlock": {
 "xbrltype": "textBlockItemType",
 "nsuri": "http://fasb.org/us-gaap/2024",
 "localname": "MarketableSecuritiesTextBlock",
 "presentation": [
  "http://byrna.com/20250228/role/statement-note-7-marketable-debt-securities-tables"
 ],
 "lang": {
  "en-us": {
   "role": {
    "label": "Marketable Securities [Table Text Block]",
    "documentation": "Tabular disclosure of marketable securities. This may consist of investments in certain debt and equity securities, short-term investments and other assets."
   }
  }
 },
 "auth_ref": []
},
"srt_MaximumMember": {
 "xbrltype": "domainItemType",
 "nsuri": "http://fasb.org/srt/2024",
 "localname": "MaximumMember",
 "presentation": [
  "http://byrna.com/20250228/role/statement-note-13-intangible-assets-components-of-intangible-assets-details"
 ],
 "lang": {
  "en-us": {
   "role": {
    "label": "Maximum [Member]",
    "documentation": "Upper limit of the provided range."
   }
  }
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 "auth_ref": [
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  "r901"
 ]
},
"srt_MinimumMember": {
 "xbrltype": "domainItemType",
 "nsuri": "http://fasb.org/srt/2024",
 "localname": "MinimumMember",
 "presentation": [
  "http://byrna.com/20250228/role/statement-note-13-intangible-assets-components-of-intangible-assets-details"
 ],
 "lang": {
  "en-us": {
   "role": {
    "label": "Minimum [Member]",
    "documentation": "Lower limit of the provided range."
   }
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 },
 "auth_ref": [
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},
"ecd_MtrlTermsOfTrdArrTextBlock": {
 "xbrltype": "textBlockItemType",
 "nsuri": "http://xbrl.sec.gov/ecd/2024",
 "localname": "MtrlTermsOfTrdArrTextBlock",
 "presentation": [
  "http://xbrl.sec.gov/ecd/role/InsiderTradingArrangements"
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 "lang": {
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    "label": "Material Terms of Trading Arrangement [Text Block]"
   }
  }
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 "auth_ref": [
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 "nsuri": "http://fasb.org/srt/2024",
 "localname": "NameOfMajorCustomerDomain",
 "presentation": [
  "http://byrna.com/20250228/role/statement-note-23-financial-instruments",
  "http://byrna.com/20250228/role/statement-note-23-financial-instruments-details-textual"
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  "en-us": {
   "role": {
    "label": "Customer [Domain]",
    "documentation": "Single external customer or group of external customers."
   }
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  "r229",
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"us-gaap_NatureOfOperations": {
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 "localname": "NatureOfOperations",
 "presentation": [
  "http://byrna.com/20250228/role/statement-note-1-nature-of-operations"
 ],
 "lang": {
  "en-us": {
   "role": {
    "label": "Nature of Operations [Text Block]",
    "documentation": "The entire disclosure for the nature of an entity's business, major products or services, principal markets including location, and the relative importance of its operations in each business and the basis for the determination, including but not limited to, assets, revenues, or earnings. For an entity that has not commenced principal operations, disclosures about the risks and uncertainties related to the activities in which the entity is currently engaged and an understanding of what those activities are being directed toward."
   }
  }
 },
 "auth_ref": [
  "r104",
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"us-gaap_NetCashProvidedByUsedInFinancingActivities": {
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 "localname": "NetCashProvidedByUsedInFinancingActivities",
 "crdr": "debit",
 "calculation": {
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   "parentTag": "us-gaap_CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalentsPeriodIncreaseDecreaseIncludingExchangeRateEffect",
   "weight": 1.0,
   "order": 1.0
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 "lang": {
  "en-us": {
   "role": {
    "label": "us-gaap_NetCashProvidedByUsedInFinancingActivities",
    "totalLabel": "NET CASH PROVIDED BY FINANCING ACTIVITIES",
    "documentation": "Amount of cash inflow (outflow) from financing activities, including discontinued operations. Financing activity cash flows include obtaining resources from owners and providing them with a return on, and a return of, their investment; borrowing money and repaying amounts borrowed, or settling the obligation; and obtaining and paying for other resources obtained from creditors on long-term credit."
   }
  }
 },
 "auth_ref": [
  "r163"
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},
"us-gaap_NetCashProvidedByUsedInFinancingActivitiesAbstract": {
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 "nsuri": "http://fasb.org/us-gaap/2024",
 "localname": "NetCashProvidedByUsedInFinancingActivitiesAbstract",
 "presentation": [
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 "lang": {
  "en-us": {
   "role": {
    "label": "CASH FLOWS FROM FINANCING ACTIVITIES"
   }
  }
 },
 "auth_ref": []
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"us-gaap_NetCashProvidedByUsedInInvestingActivities": {
 "xbrltype": "monetaryItemType",
 "nsuri": "http://fasb.org/us-gaap/2024",
 "localname": "NetCashProvidedByUsedInInvestingActivities",
 "crdr": "debit",
 "calculation": {
  "http://byrna.com/20250228/role/statement-condensed-consolidated-statements-of-cash-flows-unaudited": {
   "parentTag": "us-gaap_CashCashEquivalentsRestrictedCashAndRestrictedCashEquivalentsPeriodIncreaseDecreaseIncludingExchangeRateEffect",
   "weight": 1.0,
   "order": 0.0
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"us-gaap_NewAccountingPronouncementsAndChangesInAccountingPrinciplesTextBlock": {
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 "nsuri": "http://fasb.org/us-gaap/2024",
 "localname": "NewAccountingPronouncementsAndChangesInAccountingPrinciplesTextBlock",
 "presentation": [
  "http://byrna.com/20250228/role/statement-note-5-recent-accounting-guidance"
 ],
 "lang": {
  "en-us": {
   "role": {
    "label": "Accounting Standards Update and Change in Accounting Principle [Text Block]",
    "documentation": "The entire disclosure for change in accounting principle. Includes, but is not limited to, nature, reason, and method of adopting amendment to accounting standards or other change in accounting principle."
   }
  }
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 "auth_ref": [
  "r110",
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"ecd_NonRule10b51ArrAdoptedFlag": {
 "xbrltype": "booleanItemType",
 "nsuri": "http://xbrl.sec.gov/ecd/2024",
 "localname": "NonRule10b51ArrAdoptedFlag",
 "presentation": [
  "http://xbrl.sec.gov/ecd/role/InsiderTradingArrangements"
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 "lang": {
  "en-us": {
   "role": {
    "label": "ecd_NonRule10b51ArrAdoptedFlag",
    "terseLabel": "Non-Rule 10b5-1 Arrangement Adopted [Flag]"
   }
  }
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 "auth_ref": [
  "r772"
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"ecd_NonRule10b51ArrTrmntdFlag": {
 "xbrltype": "booleanItemType",
 "nsuri": "http://xbrl.sec.gov/ecd/2024",
 "localname": "NonRule10b51ArrTrmntdFlag",
 "presentation": [
  "http://xbrl.sec.gov/ecd/role/InsiderTradingArrangements"
 ],
 "lang": {
  "en-us": {
   "role": {
    "label": "ecd_NonRule10b51ArrTrmntdFlag",
    "terseLabel": "Non-Rule 10b5-1 Arrangement Terminated [Flag]"
   }
  }
 },
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  "r772"
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},
"us-gaap_NonoperatingIncomeExpenseAbstract": {
 "xbrltype": "stringItemType",
 "nsuri": "http://fasb.org/us-gaap/2024",
 "localname": "NonoperatingIncomeExpenseAbstract",
 "presentation": [
  "http://byrna.com/20250228/role/statement-condensed-consolidated-statements-of-operations-and-comprehensive-income-loss-unaudited"
 ],
 "lang": {
  "en-us": {
   "role": {
    "label": "OTHER INCOME (EXPENSE)"
   }
  }
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 "auth_ref": []
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"byrn_NoteToFinancialStatementDetailsTextual": {
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 "nsuri": "http://byrna.com/20250228",
 "localname": "NoteToFinancialStatementDetailsTextual",
 "lang": {
  "en-us": {
   "role": {
    "label": "Note To Financial Statement Details Textual"
   }
  }
 },
 "auth_ref": []
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"byrn_NotesToFinancialStatementsAbstract": {
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 "nsuri": "http://byrna.com/20250228",
 "localname": "NotesToFinancialStatementsAbstract",
 "lang": {
  "en-us": {
   "role": {
    "label": "Notes To Financial Statements [Abstract]"
   }
  }
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 "auth_ref": []
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"byrn_NumberOfCustomers": {
 "xbrltype": "integerItemType",
 "nsuri": "http://byrna.com/20250228",
 "localname": "NumberOfCustomers",
 "presentation": [
  "http://byrna.com/20250228/role/statement-note-23-financial-instruments-details-textual"
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 "lang": {
  "en-us": {
   "role": {
    "label": "byrn_NumberOfCustomers",
    "terseLabel": "Number of Customers",
    "documentation": "The number of customers."
   }
  }
 },
 "auth_ref": []
},
"byrn_NumberOfFacilities": {
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 "nsuri": "http://byrna.com/20250228",
 "localname": "NumberOfFacilities",
 "presentation": [
  "http://byrna.com/20250228/role/statement-note-1-nature-of-operations-details-textual"
 ],
 "lang": {
  "en-us": {
   "role": {
    "label": "byrn_NumberOfFacilities",
    "terseLabel": "Number of Facilities",
    "documentation": "Represents the number of operating facilities."
   }
  }
 },
 "auth_ref": []
},
"us-gaap_NumberOfReportableSegments": {
 "xbrltype": "integerItemType",
 "nsuri": "http://fasb.org/us-gaap/2024",
 "localname": "NumberOfReportableSegments",
 "presentation": [
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],
"lang": {
"en-us": {
"role": {
"label": "us-gaap_NumberOfReportableSegments",
"terseLabel": "Number of Reportable Segments",
"documentation": "Number of segments reported by the entity. A reportable segment is a component of an entity for which there is an accounting requirement to report separate financial information on that component in the entity's financial statements."
}
}
},
"auth_ref": [
"r704",
"r711",
"r809"
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"us-gaap_NumberOfStores": {
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"nsuri": "http://fasb.org/us-gaap/2024",
"localname": "NumberOfStores",
"presentation": [
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],
"lang": {
"en-us": {
"role": {
"label": "us-gaap_NumberOfStores",
"terseLabel": "Number of Stores",
"documentation": "Represents the number of stores."
}
}
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"auth_ref": []
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"us-gaap_OperatingExpenses": {
"xbrltype": "monetaryItemType",
"nsuri": "http://fasb.org/us-gaap/2024",
"localname": "OperatingExpenses",
"crdr": "debit",
"calculation": {
"http://byrna.com/20250228/role/statement-condensed-consolidated-statements-of-operations-and-comprehensive-income-loss-unaudited": {
"parentTag": "us-gaap_OperatingIncomeLoss",
"weight": -1.0,
"order": 1.0
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"presentation": [
"http://byrna.com/20250228/role/statement-condensed-consolidated-statements-of-operations-and-comprehensive-income-loss-unaudited"
],
"lang": {
"en-us": {
"role": {
"label": "Operating expenses",
"documentation": "Generally recurring costs associated with normal operations except for the portion of these expenses which can be clearly related to production and included in cost of sales or services. Includes selling, general and administrative expense."
}
}
},
"auth_ref": []
},
"us-gaap_OperatingIncomeLoss": {
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"nsuri": "http://fasb.org/us-gaap/2024",
"localname": "OperatingIncomeLoss",
"crdr": "credit",
"calculation": {
"http://byrna.com/20250228/role/statement-condensed-consolidated-statements-of-operations-and-comprehensive-income-loss-unaudited": {
"parentTag": "us-gaap_IncomeLossFromContinuingOperationsBeforeIncomeTaxesExtraordinaryItemsNoncontrollingInterest",
"weight": 1.0,
"order": 4.0
}
},
"presentation": [
"http://byrna.com/20250228/role/statement-condensed-consolidated-statements-of-operations-and-comprehensive-income-loss-unaudited"
],
"lang": {
"en-us": {
"role": {
"label": "us-gaap_OperatingIncomeLoss",
"totalLabel": "INCOME (LOSS) FROM OPERATIONS",
"documentation": "The net result for the period of deducting operating expenses from operating revenues."
}
}
},
"auth_ref": [
"r101",
"r703",
"r808",
"r810",
"r811",
"r812",
"r813"
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"us-gaap_OperatingLeaseCost": {
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"nsuri": "http://fasb.org/us-gaap/2024",
"localname": "OperatingLeaseCost",
"crdr": "debit",
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"http://byrna.com/20250228/role/statement-note-19-leases-elements-of-lease-expense-details": {
"parentTag": "us-gaap_LeaseCost",
"weight": 1.0,
"order": 1.0
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"presentation": [
"http://byrna.com/20250228/role/statement-note-19-leases-elements-of-lease-expense-details"
],
"lang": {
"en-us": {
"role": {
"label": "Operating lease cost",
"documentation": "Amount of single lease cost, calculated by allocation of remaining cost of lease over remaining lease term. Includes, but is not limited to, single lease cost, after impairment of right-of-use asset, calculated by amortization of remaining right-of-use asset and accretion of lease liability."
}
}
},
"auth_ref": [
"r468",
"r740"
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"us-gaap_OperatingLeaseLiability": {
"xbrltype": "monetaryItemType",
"nsuri": "http://fasb.org/us-gaap/2024",
"localname": "OperatingLeaseLiability",
"crdr": "credit",
"presentation": [
"http://byrna.com/20250228/role/statement-note-19-leases-details-textual",
"http://byrna.com/20250228/role/statement-note-19-leases-future-lease-payments-under-noncancelable-operating-leases-details"
],
"lang": {
"en-us": {
"role": {
"label": "us-gaap_OperatingLeaseLiability",
"terseLabel": "Operating Lease, Liability",
"documentation": "Present value of lessee's discounted obligation for lease payments from operating lease."
}
}
},
"auth_ref": [
"r465"
]
},
"us-gaap_OperatingLeaseLiabilityCurrent": {
"xbrltype": "monetaryItemType",
"nsuri": "http://fasb.org/us-gaap/2024",
"localname": "OperatingLeaseLiabilityCurrent",
"crdr": "credit",
"calculation": {
"http://byrna.com/20250228/role/statement-condensed-consolidated-balance-sheets-current-period-unaudited": {
"parentTag": "us-gaap_LiabilitiesCurrent",
"weight": 1.0,
"order": 0.0
}
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"presentation": [
"http://byrna.com/20250228/role/statement-condensed-consolidated-balance-sheets-current-period-unaudited",
"http://byrna.com/20250228/role/statement-note-19-leases-future-lease-payments-under-noncancelable-operating-leases-details"
],
"lang": {
"en-us": {
"role": {
"label": "Operating lease liabilities, current",
"documentation": "Present value of lessee's discounted obligation for lease payments from operating lease, classified as current."
}
}
},
"auth_ref": [
"r465"
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"us-gaap_OperatingLeaseLiabilityNoncurrent": {
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"nsuri": "http://fasb.org/us-gaap/2024",
"localname": "OperatingLeaseLiabilityNoncurrent",
"crdr": "credit",
"calculation": {
"http://byrna.com/20250228/role/statement-condensed-consolidated-balance-sheets-current-period-unaudited": {
"parentTag": "us-gaap_Liabilities",
"weight": 1.0,
"order": 0.0
}
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"presentation": [
"http://byrna.com/20250228/role/statement-condensed-consolidated-balance-sheets-current-period-unaudited",
"http://byrna.com/20250228/role/statement-note-19-leases-future-lease-payments-under-noncancelable-operating-leases-details"
],
"lang": {
"en-us": {
"role": {
"label": "Operating lease liabilities, non-current",
"documentation": "Present value of lessee's discounted obligation for lease payments from operating lease, classified as noncurrent."
}
}
},
"auth_ref": [
"r465"
]
},
"byrn_OperatingLeaseMonthlyBaseRentExpense": {
"xbrltype": "monetaryItemType",
"nsuri": "http://byrna.com/20250228",
"localname": "OperatingLeaseMonthlyBaseRentExpense",
"crdr": "debit",
"presentation": [
"http://byrna.com/20250228/role/statement-note-19-leases-details-textual"
],
"lang": {
"en-us": {
"role": {
"label": "byrn_OperatingLeaseMonthlyBaseRentExpense",
"terseLabel": "Operating Lease, Monthly Base Rent Expense",
"documentation": "Represents the amount of base rent per month under an operating lease."
}
}
},
"auth_ref": []
},
"us-gaap_OperatingLeasePayments": {
"xbrltype": "monetaryItemType",
"nsuri": "http://fasb.org/us-gaap/2024",
"localname": "OperatingLeasePayments",
"crdr": "credit",
"presentation": [
"http://byrna.com/20250228/role/statement-note-19-leases-elements-of-lease-expense-details"
],
"lang": {
"en-us": {
"role": {
"label": "Cash paid for amounts included in the measurement of operating lease liabilities",
"documentation": "Amount of cash outflow from operating lease, excluding payments to bring another asset to condition and location necessary for its intended use."
}
}
},
"auth_ref": [
"r466",
"r470"
]
},
"us-gaap_OperatingLeaseRightOfUseAsset": {
"xbrltype": "monetaryItemType",
"nsuri": "http://fasb.org/us-gaap/2024",
"localname": "OperatingLeaseRightOfUseAsset",
"crdr": "debit",
"calculation": {
"http://byrna.com/20250228/role/statement-condensed-consolidated-balance-sheets-current-period-unaudited": {
"parentTag": "us-gaap_Assets",
"weight": 1.0,
"order": 3.0
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"presentation": [
"http://byrna.com/20250228/role/statement-condensed-consolidated-balance-sheets-current-period-unaudited",
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],
"lang": {
"en-us": {
"role": {
"label": "Right-of-use-asset, net",
"terseLabel": "Operating Lease, Right-of-Use Asset",
"documentation": "Amount of lessee's right to use underlying asset under operating lease."
}
}
},
"auth_ref": [
"r464"
]
},
"us-gaap_OperatingLeaseRightOfUseAssetAmortizationExpense": {
"xbrltype": "monetaryItemType",
"nsuri": "http://fasb.org/us-gaap/2024",
"localname": "OperatingLeaseRightOfUseAssetAmortizationExpense",
"crdr": "debit",
"calculation": {
"http://byrna.com/20250228/role/statement-condensed-consolidated-statements-of-cash-flows-unaudited": {
"parentTag": "us-gaap_NetCashProvidedByUsedInOperatingActivities",
"weight": 1.0,
"order": 6.0
}
},
"presentation": [
"http://byrna.com/20250228/role/statement-condensed-consolidated-statements-of-cash-flows-unaudited"
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"lang": {
"en-us": {
"role": {
"label": "Operating lease costs",
"documentation": "Amount of periodic reduction over lease term of carrying amount of right-of-use asset from operating lease."
}
}
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"auth_ref": [
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"parentTag": "us-gaap_ComprehensiveIncomeNetOfTax",
"weight": 1.0,
"order": 1.0
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},
"presentation": [
"http://byrna.com/20250228/role/statement-condensed-consolidated-statements-of-changes-in-stockholders-equity-unaudited",
"http://byrna.com/20250228/role/statement-condensed-consolidated-statements-of-operations-and-comprehensive-income-loss-unaudited"
],
"lang": {
"en-us": {
"role": {
"label": "Unrealized gain on marketable debt securities",
"terseLabel": "Unrealized gain on marketable securities",
"documentation": "Amount, after tax and reclassification adjustment, of gain (loss) in value of unsold investment in debt security measured at fair value with change in fair value recognized in other comprehensive income (available-for-sale), attributable to parent."
}
}
},
"auth_ref": [
"r3",
"r7",
"r90"
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},
"us-gaap_OtherComprehensiveIncomeForeignCurrencyTransactionAndTranslationAdjustmentNetOfTaxPortionAttributableToParent": {
"xbrltype": "monetaryItemType",
"nsuri": "http://fasb.org/us-gaap/2024",
"localname": "OtherComprehensiveIncomeForeignCurrencyTransactionAndTranslationAdjustmentNetOfTaxPortionAttributableToParent",
"crdr": "credit",
"calculation": {
"http://byrna.com/20250228/role/statement-condensed-consolidated-statements-of-operations-and-comprehensive-income-loss-unaudited": {
"parentTag": "us-gaap_ComprehensiveIncomeNetOfTax",
"weight": 1.0,
"order": 0.0
}
},
"presentation": [
"http://byrna.com/20250228/role/statement-condensed-consolidated-statements-of-changes-in-stockholders-equity-unaudited",
"http://byrna.com/20250228/role/statement-condensed-consolidated-statements-of-operations-and-comprehensive-income-loss-unaudited",
"http://byrna.com/20250228/role/statement-note-23-financial-instruments-details-textual"
],
"lang": {
"en-us": {
"role": {
"label": "Foreign exchange translation adjustment",
"terseLabel": "Other Comprehensive Income (Loss), Foreign Currency Transaction and Translation Adjustment, Net of Tax, Portion Attributable to Parent",
"documentation": "Amount after tax and reclassification adjustments of gain (loss) on foreign currency translation adjustments, foreign currency transactions designated and effective as economic hedges of a net investment in a foreign entity and intra-entity foreign currency transactions that are of a long-term-investment nature, attributable to parent entity."
}
}
},
"auth_ref": [
"r3",
"r7",
"r90"
]
},
"us-gaap_OtherNonoperatingIncomeExpense": {
"xbrltype": "monetaryItemType",
"nsuri": "http://fasb.org/us-gaap/2024",
"localname": "OtherNonoperatingIncomeExpense",
"crdr": "credit",
"calculation": {
"http://byrna.com/20250228/role/statement-condensed-consolidated-statements-of-operations-and-comprehensive-income-loss-unaudited": {
"parentTag": "us-gaap_IncomeLossFromContinuingOperationsBeforeIncomeTaxesExtraordinaryItemsNoncontrollingInterest",
"weight": 1.0,
"order": 0.0
}
},
"presentation": [
"http://byrna.com/20250228/role/statement-condensed-consolidated-statements-of-operations-and-comprehensive-income-loss-unaudited"
],
"lang": {
"en-us": {
"role": {

"label": "Other income",
"documentation": "Amount of income (expense) related to nonoperating activities, classified as other."
}
}
},
"auth_ref": [
"r70"
]
},
"us-gaap_PatentsMember": {
"xbrltype": "domainItemType",
"nsuri": "http://fasb.org/us-gaap/2024",
"localname": "PatentsMember",
"presentation": [
"http://byrna.com/20250228/role/statement-note-13-intangible-assets-components-of-intangible-assets-details"
],
"lang": {
"en-us": {
"role": {
"label": "Patents [Member]",
"documentation": "Exclusive legal right granted by the government to the owner of the patent to exploit an invention or a process for a period of time specified by law."
}
}
},
"auth_ref": [
"r89",
"r829",
"r830",
"r831",
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"nsuri": "http://fasb.org/us-gaap/2024",
"localname": "PaymentsRelatedToTaxWithholdingForShareBasedCompensation",
"crdr": "credit",
"calculation": {
"http://byrna.com/20250228/role/statement-condensed-consolidated-statements-of-cash-flows-unaudited": {
"parentTag": "us-gaap_NetCashProvidedByUsedInFinancingActivities",
"weight": -1.0,
"order": 1.0
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],
"lang": {
"en-us": {
"role": {
"label": "us-gaap_PaymentsRelatedToTaxWithholdingForShareBasedCompensation",
"negatedLabel": "Payment of taxes withheld on issuance of restricted stock units",
"documentation": "Amount of cash outflow to satisfy grantee's tax withholding obligation for award under share-based payment arrangement."
}
}
},
"auth_ref": [
"r162"
]
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"us-gaap_PaymentsToAcquireEquityMethodInvestments": {
"xbrltype": "monetaryItemType",
"nsuri": "http://fasb.org/us-gaap/2024",
"localname": "PaymentsToAcquireEquityMethodInvestments",
"crdr": "credit",
"presentation": [
"http://byrna.com/20250228/role/statement-note-8-investment-in-joint-venture-details-textual"
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"role": {
"label": "us-gaap_PaymentsToAcquireEquityMethodInvestments",
"terseLabel": "Payments to Acquire Equity Method Investments",
"documentation": "The cash outflow associated with the purchase of or advances to an equity method investments, which are investments in joint ventures and entities in which the entity has an equity ownership interest normally of 20 to 50 percent and exercises significant influence."
}
}
},
"auth_ref": [
"r20"
]
},
"us-gaap_PaymentsToAcquireMarketableSecurities": {
"xbrltype": "monetaryItemType",
"nsuri": "http://fasb.org/us-gaap/2024",
"localname": "PaymentsToAcquireMarketableSecurities",
"crdr": "credit",
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"role": {
"label": "us-gaap_PaymentsToAcquireMarketableSecurities",
"negatedLabel": "Purchases of marketable debt securities",
"documentation": "Amount of cash outflow for purchase of marketable security."
}
}
},
"auth_ref": [
"r817"
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},
"us-gaap_PaymentsToAcquirePropertyPlantAndEquipment": {
"xbrltype": "monetaryItemType",
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"localname": "PaymentsToAcquirePropertyPlantAndEquipment",
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"weight": -1.0,
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"en-us": {
"role": {
"label": "us-gaap_PaymentsToAcquirePropertyPlantAndEquipment",
"negatedLabel": "Purchases of property and equipment",
"documentation": "The cash outflow associated with the acquisition of long-lived, physical assets that are used in the normal conduct of business to produce goods and services and not intended for resale; includes cash outflows to pay for construction of self-constructed assets."
}
}
},
"auth_ref": [
"r71"
]
},
"us-gaap_PlanNameAxis": {
"xbrltype": "stringItemType",
"nsuri": "http://fasb.org/us-gaap/2024",
"localname": "PlanNameAxis",
"presentation": [
"http://byrna.com/20250228/role/statement-note-16-stockbased-compensation",
"http://byrna.com/20250228/role/statement-note-16-stockbased-compensation-details-textual"
],
"lang": {
"en-us": {
"role": {
"label": "Plan Name [Axis]",
"documentation": "Information by plan name for share-based payment arrangement."
}
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},
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"r872"
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"us-gaap_PlanNameDomain": {
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"nsuri": "http://fasb.org/us-gaap/2024",
"localname": "PlanNameDomain",
"presentation": [
"http://byrna.com/20250228/role/statement-note-16-stockbased-compensation",
"http://byrna.com/20250228/role/statement-note-16-stockbased-compensation-details-textual"
],
"lang": {
"en-us": {
"role": {
"label": "Plan Name [Domain]",
"documentation": "Plan name for share-based payment arrangement."
}
}
},
"auth_ref": [
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"r849",
"r850",
"r851",
"r852",
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"r866",
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"r871",
"r872"
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"us-gaap_PortionAtFairValueFairValueDisclosureMember": {
"xbrltype": "domainItemType",
"nsuri": "http://fasb.org/us-gaap/2024",
"localname": "PortionAtFairValueFairValueDisclosureMember",
"presentation": [
"http://byrna.com/20250228/role/statement-note-7-marketable-debt-securities-schedule-of-fair-value-measurement-details"
],
"lang": {
"en-us": {
"role": {
"label": "Portion at Fair Value Measurement [Member]",
"documentation": "Measured at fair value for financial reporting purposes."
}
}
},
"auth_ref": [
"r448"
]
},
"us-gaap_PreferredStockParOrStatedValuePerShare": {
"xbrltype": "perShareItemType",
"nsuri": "http://fasb.org/us-gaap/2024",
"localname": "PreferredStockParOrStatedValuePerShare",
"presentation": [
"http://byrna.com/20250228/role/statement-condensed-consolidated-balance-sheets-current-period-unaudited-parentheticals"
],
"lang": {
"en-us": {
"role": {
"label": "Preferred stock, par value (in dollars per share)",
"documentation": "Face amount or stated value per share of preferred stock nonredeemable or redeemable solely at the option of the issuer."
}
}
},
"auth_ref": [
"r52",
"r325"
]
},
"us-gaap_PreferredStockSharesAuthorized": {
"xbrltype": "sharesItemType",
"nsuri": "http://fasb.org/us-gaap/2024",
"localname": "PreferredStockSharesAuthorized",
"presentation": [
"http://byrna.com/20250228/role/statement-condensed-consolidated-balance-sheets-current-period-unaudited-parentheticals"
],
"lang": {
"en-us": {
"role": {
"label": "Preferred stock, shares authorized (in shares)",
"documentation": "The maximum number of nonredeemable preferred shares (or preferred stock redeemable solely at the option of the issuer) permitted to be issued by an entity's charter and bylaws."
}
}
},
"auth_ref": [
"r52",
"r619"
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"us-gaap_PreferredStockSharesIssued": {
"xbrltype": "sharesItemType",
"nsuri": "http://fasb.org/us-gaap/2024",
"localname": "PreferredStockSharesIssued",
"presentation": [
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],
"lang": {
"en-us": {
"role": {
"label": "Preferred stock, shares issued (in shares)",
"documentation": "Number of shares issued for nonredeemable preferred shares and preferred shares redeemable solely at option of issuer. Includes, but is not limited to, preferred shares issued, repurchased, and held as treasury shares. Excludes preferred shares classified as debt."
}
}
},
"auth_ref": [
"r52",
"r325"
]
},
"us-gaap_PreferredStockValue": {
"xbrltype": "monetaryItemType",
"nsuri": "http://fasb.org/us-gaap/2024",
"localname": "PreferredStockValue",
"crdr": "credit",
"calculation": {
"http://byrna.com/20250228/role/statement-condensed-consolidated-balance-sheets-current-period-unaudited": {
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"weight": 1.0,
"order": 0.0
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"presentation": [
"http://byrna.com/20250228/role/statement-condensed-consolidated-balance-sheets-current-period-unaudited"
],
"lang": {
"en-us": {
"role": {
"label": "Preferred stock, $0.001 par value, 5,000,000 shares authorized, no shares issued",
"documentation": "Aggregate par or stated value of issued nonredeemable preferred stock (or preferred stock redeemable solely at the option of the issuer). This item includes treasury stock repurchased by the entity. Note: elements for number of nonredeemable preferred shares, par value and other disclosure concepts are in another section within stockholders' equity."
}
}
},
"auth_ref": [
"r52",
"r325",
"r542"
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"us-gaap_PrepaidExpenseAndOtherAssetsCurrent": {
"xbrltype": "monetaryItemType",
"nsuri": "http://fasb.org/us-gaap/2024",
"localname": "PrepaidExpenseAndOtherAssetsCurrent",
"crdr": "debit",
"calculation": {
"http://byrna.com/20250228/role/statement-condensed-consolidated-balance-sheets-current-period-unaudited": {
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"weight": 1.0,
"order": 3.0
}
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"presentation": [
"http://byrna.com/20250228/role/statement-condensed-consolidated-balance-sheets-current-period-unaudited"
],
"lang": {
"en-us": {
"role": {
"label": "Prepaid expenses and other current assets",
"documentation": "Amount of asset related to consideration paid in advance for costs that provide economic benefits in future periods, and amount of other assets that are expected to be realized or consumed within one year or the normal operating cycle, if longer."
}
}
},
"auth_ref": [
"r792"
]
},
"byrn_PretoriaSouthAfricaMember": {
"xbrltype": "domainItemType",
"nsuri": "http://byrna.com/20250228",
"localname": "PretoriaSouthAfricaMember",
"presentation": [
"http://byrna.com/20250228/role/statement-note-1-nature-of-operations",
"http://byrna.com/20250228/role/statement-note-1-nature-of-operations-details-textual"
],
"lang": {
"en-us": {
"role": {
"label": "Pretoria South Africa [Member]",
"documentation": "Represents operating facility in Pretoria, South Africa."
}
}
},
"auth_ref": []
},
"us-gaap_ProceedsFromSaleOfEquityMethodInvestments": {
"xbrltype": "monetaryItemType",
"nsuri": "http://fasb.org/us-gaap/2024",
"localname": "ProceedsFromSaleOfEquityMethodInvestments",
"crdr": "debit",
"presentation": [
"http://byrna.com/20250228/role/statement-note-8-investment-in-joint-venture-details-textual"
],
"lang": {
"en-us": {
"role": {
"label": "us-gaap_ProceedsFromSaleOfEquityMethodInvestments",
"terseLabel": "Proceeds from Sale of Equity Method Investments",
"documentation": "The cash inflow associated with the sale of equity method investments, which are investments in joint ventures and entities in which the entity has an equity ownership interest normally of 20 to 50 percent and exercises significant influence."
}
}
},
"auth_ref": [
"r19"
]
},
"us-gaap_ProceedsFromStockOptionsExercised": {
"xbrltype": "monetaryItemType",
"nsuri": "http://fasb.org/us-gaap/2024",
"localname": "ProceedsFromStockOptionsExercised",
"crdr": "debit",
"calculation": {
"http://byrna.com/20250228/role/statement-condensed-consolidated-statements-of-cash-flows-unaudited": {
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"weight": 1.0,
"order": 0.0
}
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"presentation": [
"http://byrna.com/20250228/role/statement-condensed-consolidated-statements-of-cash-flows-unaudited"
],
"lang": {
"en-us": {
"role": {
"label": "Proceeds from stock option exercises",
"documentation": "Amount of cash inflow from exercise of option under share-based payment arrangement."
}
}
},
"auth_ref": [
"r2",
"r12"
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"us-gaap_PropertyPlantAndEquipmentByTypeAxis": {
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"nsuri": "http://fasb.org/us-gaap/2024",
"localname": "PropertyPlantAndEquipmentByTypeAxis",
"presentation": [
"http://byrna.com/20250228/role/statement-note-12-property-and-equipment-summary-of-cost-and-accumulated-depreciation-details"
],
"lang": {
"en-us": {
"role": {
"label": "Long-Lived Tangible Asset [Axis]",
"documentation": "Information by type of long-lived, physical assets used to produce goods and services and not intended for resale."
}
}
},
"auth_ref": [
"r6",
"r474"
]
},
"us-gaap_PropertyPlantAndEquipmentDisclosureTextBlock": {
"xbrltype": "textBlockItemType",
"nsuri": "http://fasb.org/us-gaap/2024",
"localname": "PropertyPlantAndEquipmentDisclosureTextBlock",
"presentation": [
"http://byrna.com/20250228/role/statement-note-12-property-and-equipment"
],
"lang": {
"en-us": {
"role": {
"label": "Property, Plant and Equipment Disclosure [Text Block]",
"documentation": "The entire disclosure for long-lived, physical asset used in normal conduct of business and not intended for resale. Includes, but is not limited to, work of art, historical treasure, and similar asset classified as collections."
}
}
},
"auth_ref": [
"r79",
"r105",
"r106",
"r107"
]
},
"us-gaap_PropertyPlantAndEquipmentGross": {
"xbrltype": "monetaryItemType",
"nsuri": "http://fasb.org/us-gaap/2024",
"localname": "PropertyPlantAndEquipmentGross",
"crdr": "debit",
"calculation": {
"http://byrna.com/20250228/role/statement-note-12-property-and-equipment-summary-of-cost-and-accumulated-depreciation-details": {
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"weight": 1.0,
"order": 1.0
}
},
"presentation": [

"http://byrna.com/20250228/role/statement-note-12-property-and-equipment-summary-of-cost-and-accumulated-depreciation-details"
],
"lang": {
"en-us": {
"role": {
"label": "Property, plant and equipment, gross",
"documentation": "Amount before accumulated depreciation, depletion and amortization of physical assets used in the normal conduct of business and not intended for resale. Examples include, but are not limited to, land, buildings, machinery and equipment, office equipment, and furniture and fixtures."
}
}
},
"auth_ref": [
"r80",
"r143",
"r574"
]
},
"us-gaap_PropertyPlantAndEquipmentNet": {
"xbrltype": "monetaryItemType",
"nsuri": "http://fasb.org/us-gaap/2024",
"localname": "PropertyPlantAndEquipmentNet",
"crdr": "debit",
"calculation": {
"http://byrna.com/20250228/role/statement-condensed-consolidated-balance-sheets-current-period-unaudited": {
"parentTag": "us-gaap_Assets",
"weight": 1.0,
"order": 0.0
},
"http://byrna.com/20250228/role/statement-note-12-property-and-equipment-summary-of-cost-and-accumulated-depreciation-details": {
"parentTag": null,
"weight": null,
"order": null,
"root": true
}
},
"presentation": [
"http://byrna.com/20250228/role/statement-condensed-consolidated-balance-sheets-current-period-unaudited",
"http://byrna.com/20250228/role/statement-note-12-property-and-equipment-summary-of-cost-and-accumulated-depreciation-details"
],
"lang": {
"en-us": {
"role": {
"label": "Property and equipment, net",
"totalLabel": "Total",
"documentation": "Amount after accumulated depreciation, depletion and amortization of physical assets used in the normal conduct of business to produce goods and services and not intended for resale. Examples include, but are not limited to, land, buildings, machinery and equipment, office equipment, and furniture and fixtures."
}
}
},
"auth_ref": [
"r6",
"r474",
"r562",
"r574",
"r741"
]
},
"us-gaap_PropertyPlantAndEquipmentTextBlock": {
"xbrltype": "textBlockItemType",
"nsuri": "http://fasb.org/us-gaap/2024",
"localname": "PropertyPlantAndEquipmentTextBlock",
"presentation": [
"http://byrna.com/20250228/role/statement-note-12-property-and-equipment-tables"
],
"lang": {
"en-us": {
"role": {
"label": "Property, Plant and Equipment [Table Text Block]",
"documentation": "Tabular disclosure of physical assets used in the normal conduct of business and not intended for resale. Includes, but is not limited to, balances by class of assets, depreciation and depletion expense and method used, including composite depreciation, and accumulated depreciation."
}
}
},
"auth_ref": [
"r6"
]
},
"us-gaap_PropertyPlantAndEquipmentTypeDomain": {
"xbrltype": "domainItemType",
"nsuri": "http://fasb.org/us-gaap/2024",
"localname": "PropertyPlantAndEquipmentTypeDomain",
"presentation": [
"http://byrna.com/20250228/role/statement-note-12-property-and-equipment-summary-of-cost-and-accumulated-depreciation-details"
],
"lang": {
"en-us": {
"role": {
"label": "Long-Lived Tangible Asset [Domain]",
"documentation": "Listing of long-lived, physical assets that are used in the normal conduct of business to produce goods and services and not intended for resale. Examples include land, buildings, machinery and equipment, and other types of furniture and equipment including, but not limited to, office equipment, furniture and fixtures, and computer equipment and software."
}
}
},
"auth_ref": [
"r80",
"r474"
]
},
"srt_RangeAxis": {
"xbrltype": "stringItemType",
"nsuri": "http://fasb.org/srt/2024",
"localname": "RangeAxis",
"presentation": [
"http://byrna.com/20250228/role/statement-note-13-intangible-assets-components-of-intangible-assets-details"
],
"lang": {
"en-us": {
"role": {
"label": "Statistical Measurement [Axis]",
"documentation": "Information by statistical measurement. Includes, but is not limited to, minimum, maximum, weighted average, arithmetic average, and median."
}
}
},
"auth_ref": [
"r116",
"r118",
"r120",
"r121",
"r123",
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"r352",
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"srt_RangeMember": {
"xbrltype": "domainItemType",
"nsuri": "http://fasb.org/srt/2024",
"localname": "RangeMember",
"presentation": [
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],
"lang": {
"en-us": {
"role": {
"label": "Statistical Measurement [Domain]",
"documentation": "Statistical measurement. Includes, but is not limited to, minimum, maximum, weighted average, arithmetic average, and median."
}
}
},
"auth_ref": [
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]
},
"us-gaap_RealEstatePropertyOwnershipAxis": {
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"nsuri": "http://fasb.org/us-gaap/2024",
"localname": "RealEstatePropertyOwnershipAxis",
"presentation": [
"http://byrna.com/20250228/role/statement-note-1-nature-of-operations",
"http://byrna.com/20250228/role/statement-note-1-nature-of-operations-details-textual"
],
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"en-us": {
"role": {
"label": "Real Estate Property Ownership [Axis]",
"documentation": "Information by ownership of the property."
}
}
},
"auth_ref": []
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"us-gaap_RealEstatePropertiesDomain": {
"xbrltype": "domainItemType",
"nsuri": "http://fasb.org/us-gaap/2024",
"localname": "RealEstatePropertiesDomain",
"presentation": [
"http://byrna.com/20250228/role/statement-note-1-nature-of-operations",
"http://byrna.com/20250228/role/statement-note-1-nature-of-operations-details-textual"
],
"lang": {
"en-us": {
"role": {
"label": "Real Estate Properties [Domain]",
"documentation": "Represents categories of ownership of real estate properties."
}
}
},
"auth_ref": []
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"us-gaap_RelatedPartyDomain": {
"xbrltype": "domainItemType",
"nsuri": "http://fasb.org/us-gaap/2024",
"localname": "RelatedPartyDomain",
"presentation": [
"http://byrna.com/20250228/role/statement-note-23-financial-instruments",
"http://byrna.com/20250228/role/statement-note-23-financial-instruments-details-textual",
"http://byrna.com/20250228/role/statement-note-8-investment-in-joint-venture",
"http://byrna.com/20250228/role/statement-note-8-investment-in-joint-venture-details-textual"
],
"lang": {
"en-us": {
"role": {
"label": "Related and Nonrelated Parties [Domain]",
"documentation": "Related and nonrelated parties. Related party includes, but is not limited to, affiliate, other entity for which investment is accounted for under equity method, trust for benefit of employees, principal owner, management, and member of immediate family, and other party that may be prevented from pursuing separate interests because of control, significant influence, or ownership interest."
}
}
},
"auth_ref": [
[illegible]
]
},
"us-gaap_RelatedPartyTransactionsByRelatedPartyAxis": {
"xbrltype": "stringItemType",
"nsuri": "http://fasb.org/us-gaap/2024",
"localname": "RelatedPartyTransactionsByRelatedPartyAxis",
"presentation": [
"http://byrna.com/20250228/role/statement-note-23-financial-instruments",
"http://byrna.com/20250228/role/statement-note-23-financial-instruments-details-textual",
"http://byrna.com/20250228/role/statement-note-8-investment-in-joint-venture",
"http://byrna.com/20250228/role/statement-note-8-investment-in-joint-venture-details-textual"
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"lang": {
"en-us": {
"role": {
"label": "Related and Nonrelated Parties [Axis]",
"documentation": "Information by related and nonrelated parties. Related party includes, but is not limited to, affiliate, other entity for which investment is accounted for under equity method, trust for benefit of employees, principal owner, management, and member of immediate family, and other party that may be prevented from pursuing separate interests because of control, significant influence, or ownership interest."
}
}
},
"auth_ref": [
"r231",
"r351",
"r483",
"r484",
"r565",
"r572",
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"documentation": "The entire disclosure for related party transactions. Examples of related party transactions include transactions between (a) a parent company and its subsidiary; (b) subsidiaries of a common parent; (c) and entity and its principal owners; and (d) affiliates."
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"http://byrna.com/20250228/role/statement-note-16-stockbased-compensation-details-textual",
"http://byrna.com/20250228/role/statement-note-16-stockbased-compensation-summary-of-rsu-activity-details",
"http://byrna.com/20250228/role/statement-note-16-stockbased-compensation-valuation-assumptions-details",
"http://byrna.com/20250228/role/statement-note-17-earnings-per-share-summary-of-antidilutive-securities-details"
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}
}
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"http://byrna.com/20250228/role/statement-note-16-stockbased-compensation-details-textual"
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"role": {
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"http://byrna.com/20250228/role/statement-note-19-leases-details-textual"
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"documentation": "Represents the operating lease for the retail office space located in Fort Wayne, Indiana."
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"http://byrna.com/20250228/role/statement-note-19-leases-details-textual"
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"documentation": "Represents the operating lease agreement for retail office space in Franklin, Tennessee."
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"http://byrna.com/20250228/role/statement-note-19-leases-details-textual"
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"en-us": {
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"documentation": "Represents the operating lease agreement for retail office space in Salem, New Hampshire"
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"auth_ref": []
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"http://byrna.com/20250228/role/statement-note-19-leases-details-textual"
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"en-us": {
"role": {
"label": "Retail Office Space, Scottsdale, Arizona [Member]",
"documentation": "The operating lease for the retail space located in Scottsdale, Arizona."
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"auth_ref": []
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"weight": 1.0,
"order": 0.0
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"http://byrna.com/20250228/role/statement-note-2-operations-and-management-plans-details-textual"
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"lang": {
"en-us": {
"role": {
"label": "Accumulated deficit",
"terseLabel": "Retained Earnings (Accumulated Deficit)",
"documentation": "Amount of accumulated undistributed earnings (deficit)."
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"role": {
"label": "Retained Earnings [Member]",
"documentation": "Accumulated undistributed earnings (deficit)."
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"lang": {
"en-us": {
"role": {
"label": "Revenue, Deferred Revenue and Accounts Receivable [Text Block]",
"documentation": "The entire disclosure for revenue, deferred revenue and accounts receivable."
}
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"auth_ref": []
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"presentation": [
"http://byrna.com/20250228/role/statement-condensed-consolidated-statements-of-operations-and-comprehensive-income-loss-unaudited",
"http://byrna.com/20250228/role/statement-note-10-revenue-deferred-revenue-and-accounts-receivable-revenue-disaggregation-details",
"http://byrna.com/20250228/role/statement-note-22-segment-and-geographical-disclosures-summary-of-revenue-longlived-assets-and-total-assets-by-geographical-region-details"
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"terseLabel": "Revenues",
"documentation": "Amount, excluding tax collected from customer, of revenue from satisfaction of performance obligation by transferring promised good or service to customer. Tax collected from customer is tax assessed by governmental authority that is both imposed on and concurrent with specific revenue-producing transaction, including, but not limited to, sales, use, value added and excise."
}
}
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"http://byrna.com/20250228/role/statement-note-19-leases-details-textual"
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"role": {
"label": "Salem, New Hampshire [Member]",
"documentation": "Represents the location Salem, New Hampshire."
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"crdr": "credit",
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"weight": 1.0,
"order": 4.0
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"http://byrna.com/20250228/role/statement-note-14-accounts-payable-and-accrued-liabilities-summary-of-accounts-payable-and-accrued-liabilities-details"
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"label": "Accrued sales and use tax",
"documentation": "Carrying value as of the balance sheet date of liabilities incurred through that date and payable for statutory sales and use taxes, including value added tax. Used to reflect the current portion of the liabilities (due within one year or within the normal operating cycle if longer)."
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"role": {
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"documentation": "Tabular disclosure of the carrying value as of the balance sheet date of liabilities incurred (and for which invoices have typically been received) and payable to vendors for goods and services received that are used in an entity's business (accounts payable); (b) other payables; and (c) accrued liabilities. Examples include taxes, interest, rent and utilities. Used to reflect the current portion of the liabilities (due within one year or within the normal operating cycle if longer). An alternative caption includes accrued expenses."
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"documentation": "Tabular disclosure of securities (including those issuable pursuant to contingent stock agreements) that could potentially dilute basic earnings per share (EPS) in the future that were not included in the computation of diluted EPS because to do so would increase EPS amounts or decrease loss per share amounts for the period presented, by antidilutive securities."
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"role": {
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"documentation": "Tabular disclosure of the effect of income (loss) on basic earnings per share."
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"role": {
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"documentation": "Information by name of investment including named security. Excludes entity that is consolidated."
}
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"role": {
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"documentation": "Tabular disclosure of goodwill and intangible assets, which may be broken down by segment or major class."
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"label": "Schedule of Inventory, Current [Table Text Block]",
"documentation": "Tabular disclosure of the carrying amount as of the balance sheet date of merchandise, goods, commodities, or supplies held for future sale or to be used in manufacturing, servicing or production process."
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"http://byrna.com/20250228/role/statement-note-22-segment-and-geographical-disclosures-tables"
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"label": "Schedule of Segment Reporting Information, by Segment [Table Text Block]",
"documentation": "Tabular disclosure of the profit or loss and total assets for each reportable segment. An entity discloses certain information on each reportable segment if the amounts (a) are included in the measure of segment profit or loss reviewed by the chief operating decision maker or (b) are otherwise regularly provided to the chief operating decision maker, even if not included in that measure of segment profit or loss."
}
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"en-us": {
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"label": "Share-Based Payment Arrangement, Option, Activity [Table Text Block]",
"documentation": "Tabular disclosure for stock option plans. Includes, but is not limited to, outstanding awards at beginning and end of year, grants, exercises, forfeitures, and weighted-average grant date fair value."
}
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"auth_ref": [
"r10",
"r11",
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"lang": {
"en-us": {
"role": {
"label": "Schedule of Share-Based Payment Award, Stock Options, Valuation Assumptions [Table Text Block]",
"documentation": "Tabular disclosure of the significant assumptions used during the year to estimate the fair value of stock options, including, but not limited to: (a) expected term of share options and similar instruments, (b) expected volatility of the entity's shares, (c) expected dividends, (d) risk-free rate(s), and (e) discount for post-vesting restrictions."
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"presentation": [
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],
"lang": {
"en-us": {
"role": {
"label": "Share-Based Payment Arrangement, Restricted Stock and Restricted Stock Unit, Activity [Table Text Block]",
"documentation": "Disclosure of the number and weighted-average grant date fair value for restricted stock and restricted stock units that were outstanding at the beginning and end of the year, and the number of restricted stock and restricted stock units that were granted, vested, or forfeited during the year."
}
}
},
"auth_ref": []
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"nsuri": "http://fasb.org/us-gaap/2024",
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"lang": {
"en-us": {
"role": {
"label": "Schedule of Weighted Average Number of Shares [Table Text Block]",
"documentation": "Tabular disclosure of the weighted average number of shares used in calculating basic net earnings per share (or unit) and diluted earnings per share (or unit)."
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}
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"auth_ref": [
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"us-gaap_ScheduleofFiniteLivedIntangibleAssetsFutureAmortizationExpenseTableTextBlock": {
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"presentation": [
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],
"lang": {
"en-us": {
"role": {
"label": "Schedule of Finite-Lived Intangible Assets, Future Amortization Expense [Table Text Block]",
"documentation": "Tabular disclosure of the amount of amortization expense expected to be recorded in succeeding fiscal years for finite-lived intangible assets."
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  "http://byrna.com/20250228/role/statement-note-19-leases-details-textual"
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   "role": {
    "label": "Scottsdale, Arizona [Member]",
    "documentation": "Represents the location Scottsdale, Arizona."
   }
  }
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 "presentation": [
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   "role": {
    "label": "Title of 12(b) Security",
    "documentation": "Title of a 12(b) registered security."
   }
  }
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 "auth_ref": [
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 "xbrltype": "edgarExchangeCodeItemType",
 "nsuri": "http://xbrl.sec.gov/dei/2024",
 "localname": "SecurityExchangeName",
 "presentation": [
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    "documentation": "Name of the Exchange on which a security is registered."
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  "http://byrna.com/20250228/role/statement-note-23-financial-instruments",
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   }
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  "http://byrna.com/20250228/role/statement-note-16-stockbased-compensation-summary-of-rsu-activity-details"
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   }
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   }
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"http://byrna.com/20250228/role/statement-note-15-stockholders-equity-details-textual"
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"en-us": {
"role": {
"label": "Share Repurchase Program [Domain]",
"documentation": "Name of share repurchase program."
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"documentation": "The 20 day volume weighted average closing price required to trigger vesting of share based payment arrangement."
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"terseLabel": "Share-Based Compensation Arrangement by Share-Based Payment Award, Award Vesting Rights, Percentage",
"documentation": "Percentage of vesting of award under share-based payment arrangement."
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  }
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  "http://byrna.com/20250228/role/statement-note-16-stockbased-compensation-details-textual",
  "http://byrna.com/20250228/role/statement-note-16-stockbased-compensation-summary-of-stock-option-activity-details"
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    "negatedTerseLabel": "Exercised, stock options (in shares)",
    "documentation": "Number of share options (or share units) exercised during the current period."
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  "http://byrna.com/20250228/role/statement-note-11-inventory-tables",
  "http://byrna.com/20250228/role/statement-note-12-property-and-equipment-tables",
  "http://byrna.com/20250228/role/statement-note-13-intangible-assets-tables",
  "http://byrna.com/20250228/role/statement-note-14-accounts-payable-and-accrued-liabilities-tables",
  "http://byrna.com/20250228/role/statement-note-16-stockbased-compensation-tables",
  "http://byrna.com/20250228/role/statement-note-17-earnings-per-share-tables",
  "http://byrna.com/20250228/role/statement-note-19-leases-tables",
  "http://byrna.com/20250228/role/statement-note-22-segment-and-geographical-disclosures-tables",
  "http://byrna.com/20250228/role/statement-note-7-marketable-debt-securities-tables"
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  "http://byrna.com/20250228/role/statement-note-16-stockbased-compensation-details-textual"
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  "http://byrna.com/20250228/role/statement-note-23-financial-instruments-details-textual"
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    "documentation": "Relating to three customers."

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     "documentation": "Amount allocated to previously issued common shares repurchased by the issuing entity and held in treasury."
    }
   }
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     "terseLabel": "Treasury Stock, Shares, Acquired (in shares)",
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   }
  },
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   "r83"
  ]
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    }
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   "http://byrna.com/20250228/role/statement-note-23-financial-instruments-details-textual"
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     "documentation": "This element represents fluctuation in the US exchange tax rate used to determine whether the impact on loss and stockholders' equity is material."
    }
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   "http://byrna.com/20250228/role/statement-note-7-marketable-debt-securities-schedule-of-securities-details"
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     "documentation": "This category includes information about debt securities issued by the United States Department of the Treasury and backed by the United States government. Such securities primarily consist of treasury bills (short-term [illegible] maturities - one year or less), treasury notes (intermediate term maturities - two to ten years), and treasury bonds (long-term maturities - ten to thirty years)."
    }
   }
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   "http://byrna.com/20250228/role/statement-note-16-stockbased-compensation-details-textual"
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   "http://byrna.com/20250228/role/statement-note-17-earnings-per-share-allocation-of-net-income-loss-details",
   "http://byrna.com/20250228/role/statement-note-17-earnings-per-share-weightedaverage-number-of-shares-outstanding-reconciliation-details"
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     "totalLabel": "Weighted-average common share outstanding- diluted (in shares)",

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"role": {
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"auth_ref": []
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"r94": {
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"URI": "https://asc.fasb.org/942-320/tableOfContent"
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"r110": {
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"URI": "https://asc.fasb.org/250/tableOfContent"
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"r161": {
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"r169": {
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 "URI": "https://asc.fasb.org/1943274/2147483421/250-10-45-5"
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"r171": {
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 "Section": "50",
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"r176": {
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"r178": {
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"r181": {
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"Publisher": "FASB",
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"r390": {
"role": "http://www.xbrl.org/2003/role/disclosureRef",
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"r391": {
"role": "http://www.xbrl.org/2003/role/disclosureRef",
"Topic": "740",
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"r392": {
"role": "http://www.xbrl.org/2003/role/disclosureRef",
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"Paragraph": "4",
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"r394": {
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"r395": {
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"URI": "https://asc.fasb.org/1943274/2147482685/740-10-50-12"
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"r396": {

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"Section": "50",
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"r399": {
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"Paragraph": "8",
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"r419": {
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"Name": "Accounting Standards Codification",
"Section": "45",
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"URI": "https://asc.fasb.org/1943274/2147481231/810-10-45-25"
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"URI": "https://asc.fasb.org/1943274/2147481203/810-10-50-3"
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"Paragraph": "6",
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"Paragraph": "6",
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"Paragraph": "6",
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"r437": {
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"r452": {
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"Paragraph": "20",
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"r461": {
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"Section": "65",
"Paragraph": "8",
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"r462": {
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"Name": "Accounting Standards Codification",
"Publisher": "FASB",
"URI": "https://asc.fasb.org/842-20/tableOfContent"
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"r463": {
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"Topic": "842",
"SubTopic": "20",
"Name": "Accounting Standards Codification",
"Section": "35",
"Paragraph": "12A",
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"URI": "https://asc.fasb.org/1943274/2147479165/842-20-35-12A"
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"r464": {
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"URI": "https://asc.fasb.org/1943274/2147478964/842-20-50-6"
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"r474": {
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"Paragraph": "7A",
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"r475": {
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"r476": {
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"r477": {
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"Topic": "848",
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"Name": "Accounting Standards Codification",
"Section": "65",
"Paragraph": "2",
"Subparagraph": "(a)(3)(iii)(03)",
"Publisher": "FASB",
"URI": "https://asc.fasb.org/1943274/2147483550/848-10-65-2"
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"r478": {
"role": "http://www.xbrl.org/2003/role/disclosureRef",
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"Name": "Accounting Standards Codification",
"Section": "65",
"Paragraph": "2",
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"r479": {
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"Section": "65",
"Paragraph": "2",
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"r480": {
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"Name": "Accounting Standards Codification",
"Publisher": "FASB",
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"r481": {
"role": "http://www.xbrl.org/2003/role/disclosureRef",
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"Name": "Accounting Standards Codification",
"Section": "50",
"Paragraph": "1",
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"Publisher": "FASB",
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"r841": {
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"r847": {
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