

SECURITIES AND EXCHANGE COMMISSION

FORM SC 13G

Schedule filed to report acquisition of beneficial ownership of 5% or more of a class of equity securities by passive investors and certain institutions

Filing Date: **2009-01-26**
SEC Accession No. **0000790502-09-000009**

([HTML Version](#) on [secdatabase.com](#))

SUBJECT COMPANY

COHERENT INC

CIK: **21510** | IRS No.: **941622541** | State of Incorporation: **DE** | Fiscal Year End: **0930**
Type: **SC 13G** | Act: **34** | File No.: **005-15939** | Film No.: **09544666**
SIC: **3826** Laboratory analytical instruments

Mailing Address	Business Address
5100 PATRICK HENRY DRIVE MAIL STOP P38 SANTA CLARA CA 95054	5100 PATRICK HENRY DR SANTA CLARA CA 95054 4087644000

FILED BY

EAGLE ASSET MANAGEMENT INC

CIK: **790502** | IRS No.: **592385219** | State of Incorporation: **FL** | Fiscal Year End: **0930**
Type: **SC 13G**

Mailing Address	Business Address
880 CARILLON PARKWAY ST PETERSBURG FL 33716	880 CARILLON PARKWAY ST PETERSBURG FL 33716 8135732453

January 13, 2009

Securities and Exchange Commission
450 Fifth Street NW
Washington, DC 20549

RE: Schedule 13G
Coherent, Inc.
As of December 31, 2008

Gentlemen:

In accordance with Section 13(d)(5) of the Securities Exchange Act of 1934, attached please find a copy of Schedule 13G for the above named company showing beneficial ownership of 5% or more as of December 31, 2008 filed on behalf of Eagle Asset Management, Inc.

Very truly yours,

Damian Sousa
Vice President
Chief Compliance Officer
DS:dlv
Enclosures

cc: Office of the Corporate Secretary
Coherent, Inc.
5100 Patrick Henry Drive
Santa Clara, CA 95054

Securities Division
NASD Financial Center
33 Whitehall Street
New York, NY 10004

SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

Schedule 13G

Under the Securities Exchange Act of 1934
(Amendment No.)*

Coherent, Inc.

(Name of Issuer)

Common Stock
(Title of Class of Securities)

192479103
(CUSIP Number)

Check the following box if a fee is being paid with this statement _____. (A fee is not required only if the filing person: (1) has a previous statement on file reporting beneficial ownership of more than five percent of the class of securities described in Item 1; and (2) has filed no amendment subsequent thereto reporting beneficial ownership of five percent or less of such class.) (See Rule 13d-7.)

*The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

Page 1 of 5 Pages

CUSIP NO. 192479103

13G

1 NAME OF REPORTING PERSON
S.S. OR I.R.S. IDENTIFICATION NO. OF ABOVE PERSON
Eagle Asset Management, Inc. 59-2385219

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP* (A) _____
(B) _____

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION

State of Florida

NUMBER OF SHARES BENEFICIALLY OWNED AS OF DECEMBER 31, 2008 BY EACH REPORTING	5	SOLE VOTING POWER 1,852,712
	6	SHARED VOTING POWER - - -
	7	SOLE DISPOSITIVE POWER 1,852,712
	8	SHARED DISPOSITIVE POWER

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

1,852,712

10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES*
[_____]

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9
7.61%

12 TYPE OF REPORTING PERSON*

IA

*SEE INSTRUCTION BEFORE FILLING OUT!

Page 2 of 5 Pages

Item 1(a) Name of Issuer:

Coherent, Inc

Item 1(b) Address of Issuer's Principal Executing Offices:

5100 Patrick Henry Drive
Santa Clara, CA 95054

Item 2(a) Name of Person Filing:

Eagle Asset Management, Inc.

Item 2(b) Address of Principal Business Office:

880 Carillon Parkway
St. Petersburg, Florida 33716

Item 2(c) Citizenship:

Florida

Item 2(d) Title of Class of Securities:

Common Stock

Item 2(e) CUSIP Number:

192479103

Item 3 Type of Reporting Person:

(e) Investment Adviser registered under Section 203 of the Investment

Item 4 Ownership as of December 31, 2008

(a) Amount Beneficially Owned:

1,852,712 shares of common stock beneficially owned including:

No. of Shares	
Eagle Asset Management, Inc.	1,852,712

(b) Percent of Class: 7.61%

(c) Deemed Voting Power and Disposition Power:

(i)	(ii)	(iii)	(iv)
Deemed to have Sole Power to Vote or to Direct to Vote	Deemed to have Shared Power to Vote or to Direct to Vote	Deemed to have Sole Power to Dispose or to Direct the Disposition	Deemed to have Shared Power to Dispose or to Direct the Disposition

Eagle Asset Management, Inc.	1,852,712	----	1,852,712	----
------------------------------	-----------	------	-----------	------

Item 5 Ownership of Five Percent or Less of a Class:

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following.

(___)

Item 6 Ownership of More than Five Percent on Behalf of Another Person:

N/A

Item 7 Identification and Classification of the Subsidiary which Acquired the Security Being Reported on by the Parent Holding Company:

N/A

Item 8 Identification and Classification of Members of the Group: N/A

Item 9 Notice of Dissolution of Group: N/A

Item 10 Certification:

By signing below I certify that to the best of my

knowledge and belief, the securities referred to above were acquired in the ordinary course of business and were not acquired for purpose of and do not have the effect of changing or influencing the control of the issuer of such securities and were not acquired in connection with or as a participant in any transaction having such purposes or effect.

Signature

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Date: January 13, 2009

EAGLE ASSET MANAGEMENT, INC.

Damian Sousa
Vice President
Chief Compliance Officer

Page 5 of 5 Pages