

COHERENT INC
Form 10-Q
January 31, 2008

**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION**

WASHINGTON, D.C. 20549

FORM 10-Q

(Mark One)

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

For the Quarterly Period Ended March 31, 2007

or

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

For the transition period from to

Commission File Number: 0-5255

COHERENT, INC.

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Delaware
(State or other jurisdiction of
incorporation or organization)

94-1622541
(I.R.S. Employer
Identification No.)

5100 Patrick Henry Drive, Santa Clara, California 95054
(Address of principal executive offices) (Zip Code)

Registrant's telephone number, including area code: **(408) 764-4000**

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 is a large accelerated filer, an accelerated filer, or a non-accelerated filer. See definition of accelerated filer and large accelerated filer in Rule 12b-2 of the Exchange Act. (Check one):

Large accelerated filer

Accelerated filer

Non-accelerated filer

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

The number of shares outstanding of registrant's common stock, par value \$.01 per share, on January 15, 2008 was 31,544,990 shares.

COHERENT, INC.

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EXPLANATORY NOTE REGARDING RESTATEMENT OF OUR CONDENSED CONSOLIDATED FINANCIAL STATEMENTS

This quarterly report contains the restatement of our condensed consolidated statements of operations for the three and six months ended April 1, 2006 and condensed consolidated statements of cash flows for the six months ended April 1, 2006.

As previously announced on November 1, 2006, a Special Committee was established by our Board of Directors to conduct an independent investigation relating to our historical stock option practices. We requested the independent review following an internal review of our historical stock option practices, which was a voluntary review initiated in light of news of the option practices of numerous companies across several industries. The Special Committee, comprised of three independent members of our Board of Directors, retained independent outside counsel and forensic accountants to assist in conducting the investigation. Together with its independent counsel, the Special Committee conducted an extensive review of historical stock option practices including all awards made by us between January 1, 1995 and September 30, 2006, (the Relevant Period) that included the review of over one million documents and interviews of over 30 current and former employees, directors and advisors.

As a result of the investigation, our management and the Special Committee, with the assistance of independent legal counsel and forensic accounting experts, determined that incorrect measurement dates for a significant number of stock option awards during the Relevant Period were used, resulting in errors in our accounting related to stock option compensation expenses during the Relevant Period. We determined that corrections to previously issued consolidated financial statements were required to reflect additional material charges for stock-based compensation expenses and related income and payroll tax effects.

Options granted during the Relevant Period to purchase an aggregate of approximately 8,735,590 shares were determined to have incorrect measurement dates. Accordingly, our consolidated retained earnings as of April 1, 2006 has been restated to incorporate an aggregate of approximately \$22.6 million in incremental stock-based compensation charges, including payroll taxes, net of a \$3.0 million tax benefit, during the period from January 1, 1995 through April 1, 2006. We determined that the revised measurement dates for accounting purposes differed from the originally recorded measurement dates due primarily to a number of factors, including (1) delays in the final determination or approval of the awards, (2) retroactive selection of grant dates, (3) the absence of definitive documentation regarding approval, and (4) other process-related issues. These included annual grants to existing employees and officers and option grants made to new hires or to employees recently promoted.

In those cases in which we previously used a measurement date that we determined was incorrect, we have developed and applied a methodology to remeasure those stock option grants and record the relevant stock-based compensation charges. For more information on our restatement, including the methodology we adopted, see Part I. Item 2, Management's Discussion and Analysis of Financial Condition and Results of Operations Restatement of Condensed Consolidated Financial Statements and Note 3 of Notes to Condensed Consolidated Financial Statements appearing in Part I. Item 1 of this quarterly report.

In addition to restatements for stock-based compensation, we recorded restatements to correct other errors that occurred in the fiscal 2006 periods which have been reflected in the restated condensed consolidated financial statements. These restatements, including the nature thereof, are further discussed in Note 3 of Notes to Condensed Consolidated Financial Statements appearing in Part I. Item 1 of this quarterly report.

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All financial information contained in this quarterly report gives effect to the restatements of our consolidated financial statements as described above.

SPECIAL NOTE REGARDING FORWARD-LOOKING STATEMENTS

This quarterly report contains certain forward-looking statements within the meaning of Section 27A of the Securities Act of 1933 and Section 21E of the Securities Exchange Act of 1934. All statements included in or incorporated by reference in this quarterly report, other than statements of historical fact, are forward-looking statements. These statements are generally accompanied by words such as trend, may, will, could, would, should, expect, plan, anticipate, rely, believe, estimate, predict, intend, potential, continue, forecast or other comparable terminology, including without limitation statements made under Future Trends , Our Strategy , discussions regarding our bookings and in Management s Discussion and Analysis of Financial Condition and Results of Operations . Forward-looking statements also include the assumptions underlying or relating to any of the foregoing statements. Actual results of Coherent, Inc. (referred to herein as the Company, we, our or Coherent) may differ significantly from those anticipated in these forward-looking statements as a result of various factors, including those discussed in the sections captioned Future Trends, Risk Factors, Key Performance Indicators, as well as any other cautionary language in this quarterly report. All forward-looking statements included in the document are based on information available to us on the date hereof. We undertake no obligation to update these forward-looking statements as a result of events or circumstances or to reflect the occurrence of unanticipated events or non-occurrence of anticipated events.

PART I. FINANCIAL INFORMATION

Item I. FINANCIAL STATEMENTS

COHERENT, INC. AND SUBSIDIARIES
CONDENSED CONSOLIDATED STATEMENTS OF OPERATIONS
(Unaudited; in thousands, except per share data)

	Three Months Ended		Six Months Ended	
	March 31, 2007	April 1, 2006 (As Restated) (1)	March 31, 2007	April 1, 2006 (As Restated) (1)
Net sales	\$ 152,116	\$ 145,988	\$ 299,625	\$ 276,982
Cost of sales	87,646	82,160	173,181	157,160
Gross profit	64,470	63,828	126,444	119,822
Operating expenses:				
Research and development	18,884	19,196	37,206	33,944
In-process research and development				690
Selling, general and administrative	37,139	32,120	70,623	62,008
Restructuring and other charges (recoveries)	111	(90)	248	(90)
Amortization of intangible assets	1,950	2,474	3,893	4,918
Total operating expenses	58,084	53,700	111,970	101,470
Income from operations	6,386	10,128	14,474	18,352
Other income (expense):				
Interest and dividend income	6,236	2,745	12,309	4,626
Interest expense	(1,871)	(626)	(3,653)	(894)
Other net	731	48	1,714	(92)
Total other income, net	5,096	2,167	10,370	3,640
Income before income taxes	11,482	12,295	24,844	21,992
Provision for income taxes	4,200	6,298	6,804	7,158
Net income	\$ 7,282	\$ 5,997	\$ 18,040	\$ 14,834
Net income per share:				
Basic	\$ 0.23	\$ 0.19	\$ 0.57	\$ 0.48
Diluted	\$ 0.23	\$ 0.19	\$ 0.56	\$ 0.47
Shares used in computation:				
Basic	31,417	30,754	31,378	30,939
Diluted	31,937	31,314	32,030	31,393

(1) See Note 3, Restatement of Condensed Consolidated Financial Statements of the accompanying Notes to Condensed Consolidated Financial Statements.

See Accompanying Notes to Condensed Consolidated Financial Statements

COHERENT, INC. AND SUBSIDIARIES
CONDENSED CONSOLIDATED BALANCE SHEETS
(Unaudited; in thousands, except par value)

	March 31, 2007	September 30, 2006
ASSETS		
Current assets:		
Cash and cash equivalents	\$ 411,867	\$ 445,231
Short-term investments	117,127	48,767
Restricted cash, current	2,460	
Accounts receivable net of allowances of \$3,430 and \$3,275, respectively	107,279	111,446
Inventories	103,417	101,494
Prepaid expenses and other assets	37,430	21,256
Deferred tax assets	46,197	29,201
Total current assets	825,777	757,395
Property and equipment, net	149,644	148,592
Restricted cash, non-current	1,341	3,709
Goodwill	73,758	71,871
Intangible assets, net	35,819	38,863
Other assets	58,017	62,094
Total assets	\$ 1,144,356	\$ 1,082,524
LIABILITIES AND STOCKHOLDERS EQUITY		
Current liabilities:		
Current portion of long-term obligations	\$ 8	\$ 8
Convertible subordinated notes	199,776	
Accounts payable	33,861	29,498
Income taxes payable	20,085	17,720
Other current liabilities	89,137	79,352
Total current liabilities	342,867	126,578
Long-term obligations	1,336	1,276
Other long-term liabilities	42,499	37,419
Convertible subordinated notes		199,747
Commitments and contingencies (Note 11)		
Stockholders' equity:		
Common stock, par value \$.01 per share:		
Authorized 500,000 shares		
Outstanding 31,564 shares and 31,412 shares, respectively	313	311
Additional paid-in capital	377,850	367,290
Notes receivable from stock sales		(324)
Accumulated other comprehensive income	57,917	46,693
Retained earnings	321,574	303,534
Total stockholders' equity	757,654	717,504
Total liabilities and stockholders' equity	\$ 1,144,356	\$ 1,082,524

See Accompanying Notes to Condensed Consolidated Financial Statements.

COHERENT, INC. AND SUBSIDIARIES
CONDENSED CONSOLIDATED STATEMENTS OF CASH FLOWS
(Unaudited; in thousands)

	Six Months Ended	
	March 31, 2007	April 1, 2006 (As Restated) (1)
Cash flows from operating activities:		
Net income	\$ 18,040	\$ 14,834
Adjustments to reconcile net income to net cash provided by operating activities:		
Purchased in-process research and development		690
Depreciation and amortization	12,696	13,241
Amortization of intangible assets	3,893	4,918
Deferred income taxes	(2,314)	572
Stock-based compensation	6,990	7,201
Excess tax benefit from stock-based compensation arrangements	(77)	(273)
Tax benefit from employee stock options		391
Non-cash restructuring and other charges (recoveries)	(128)	
Amortization of bond issue costs	583	83
Other non-cash expense (income)	249	(201)
Changes in assets and liabilities, net of effect of acquisitions:		
Accounts receivable	6,008	(11,929)
Inventories	66	7,544
Prepaid expenses and other assets	(16,608)	(3,071)
Other assets	(2,957)	(2,068)
Accounts payable	4,638	5,760
Income taxes payable/receivable	2,117	(659)
Other current liabilities	4,838	(3,704)
Other long-term liabilities	1,902	(250)
Net cash provided by operating activities	39,936	33,079
Cash flows from investing activities:		
Purchases of property and equipment	(12,523)	(8,127)
Proceeds from dispositions of property and equipment	167	182
Purchases of available-for-sale securities	(349,530)	(117,981)
Proceeds from sales and maturities of available-for-sale securities	281,170	175,546
Acquisition of businesses, net of cash acquired		(5,114)
Change in restricted cash	(26)	(1,352)
Deferred business acquisition costs		(2,106)
Premiums paid for life insurance contracts	(2,800)	
Other net	197	(175)
Net cash provided by (used in) investing activities	(83,345)	40,873

(continued)

COHERENT, INC. AND SUBSIDIARIES
CONDENSED CONSOLIDATED STATEMENTS OF CASH FLOWS (Continued)
(Unaudited; in thousands)

Cash flows from financing activities:			
Long-term debt borrowings	\$		\$ 1,387
Long-term debt repayments		(2)	
Repayment of capital lease obligation		(2)	
Cash overdrafts increase (decrease)		909	(2,686)
Issuance of common stock under employee stock option and purchase plans		3,784	6,947
Repurchase of common stock			(22,250)
Collection of notes receivable from stock sales		324	
Proceeds received from issuance of convertible subordinated notes			200,000
Debt issuance costs			(5,112)
Excess tax benefits from stock-based compensation arrangements		77	273
Net cash provided by financing activities		5,090	178,559
Effect of exchange rate changes on cash and cash equivalents		4,955	3,276
Net increase (decrease) in cash and cash equivalents		(33,364)	255,787
Cash and cash equivalents, beginning of period		445,231	97,507
Cash and cash equivalents, end of period	\$	411,867	\$ 353,294

Supplemental disclosure of cash flow information:

Cash paid during the period for:			
Interest	\$	3,730	\$ 659
Income taxes	\$	8,513	\$ 6,891
Cash received during the period for:			
Income taxes	\$	1,662	\$ 1,390

Noncash investing and financing activities:

Unpaid property and equipment	\$	496	\$ 526
Net retirement of restricted stock awards	\$	225	\$

(1) See Note 3, Restatement of Condensed Consolidated Financial Statements of the accompanying Notes to Condensed Consolidated Financial Statements.

(concluded)

See Accompanying Notes to Condensed Consolidated Financial Statements

COHERENT, INC. AND SUBSIDIARIES
NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS
(Unaudited)

1. BASIS OF PRESENTATION

The accompanying unaudited condensed consolidated financial statements have been prepared pursuant to the rules and regulations of the Securities and Exchange Commission (SEC). Certain information and footnote disclosures normally included in financial statements prepared in accordance with accounting principles generally accepted in the United States of America (GAAP) have been condensed or omitted pursuant to such rules and regulations. These interim condensed consolidated financial statements and notes thereto should be read in conjunction with the Coherent, Inc. (referred to herein as the Company, we, our or Coherent) consolidated financial statements and notes thereto filed on Form 10-K for the fiscal year ended September 30, 2006. In the opinion of management, all adjustments necessary for a fair presentation have been made and include only normal recurring adjustments. Interim results of operations are not necessarily indicative of results to be expected for the year. Our fiscal year ends on the Saturday closest to September 30. Fiscal years 2007 and 2006 include 52 weeks each.

2. TERMINATED ACQUISITION

Excel Technology, Inc.

On February 21, 2006, we entered into a definitive agreement to acquire Excel Technology, Inc. (Excel), a manufacturer of photonics-based solutions, consisting of laser systems and electro-optical components, primarily for industrial, commercial, and scientific applications. On October 25, 2006, we received a prohibition order from the German Federal Cartel Office (FCO) regarding our proposed acquisition. The acquisition had previously been approved by antitrust authorities in the United States. None of the multiple remedy proposals offered by Coherent to the FCO addressing the overlap in the low-power carbon-dioxide laser market were satisfactory to the FCO. On November 1, 2006, we received notice from Excel that it was terminating the merger agreement. As a result, our fourth quarter fiscal 2006 results included a pre-tax charge of \$5.9 million for previously capitalized costs related to the terminated merger agreement. In addition, our results for the first six months of fiscal 2007 include a pretax charge of \$0.3 million for additional costs incurred during the period related to the terminated merger agreement.

3. RESTATEMENT OF CONDENSED CONSOLIDATED FINANCIAL STATEMENTS

Background

Based upon an investigation and determinations made by a Special Committee of the Board of Directors and management's undertaking of a separate review of historical stock option activity subsequent to the filing of our quarterly report for the quarter ended July 1, 2006, we identified errors in our accounting related to stock-based compensation expense in prior periods.

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As previously announced on November 1, 2006, a Special Committee was established by our Board of Directors to conduct an independent investigation relating to our historical stock option practices. The Special Committee, comprised of three independent members of our Board of Directors, retained independent legal counsel and forensic accountants to assist in conducting the investigation. Together with its independent counsel, the Special Committee conducted an extensive review of historical stock option practices including all awards made by us between January 1, 1995 and September 30, 2006 (the Relevant Period).

On July 26, 2007, we announced that our management and the Special Committee, with the assistance of independent legal counsel and forensic accounting experts, had determined that incorrect measurement dates for a significant number of stock option awards during the Relevant Period were used. After receiving the Special Committee's conclusions, we subsequently reviewed stock option grants during the Relevant Period. On September 26, 2007, our Audit Committee, after consultation with management, determined that additional charges for stock-based compensation expense were required as a result of such incorrect measurement dates. As a result of the Special Committee's investigation and our management's subsequent reviews and analyses, options granted during the Relevant Period to purchase an aggregate of approximately 8,735,590 shares were determined to have incorrect measurement dates. We determined that the revised measurement dates for accounting purposes (Revised Measurement Date) differed from the originally recorded measurement dates due primarily to a number of factors, including (1) delays in the final determination or approval of the awards, (2) retroactive selection of grant dates, (3) the absence of definitive documentation regarding approval, and (4) other process-related issues. These included annual grants to existing employees and officers and option grants made to new hires or to employees recently promoted. In those cases in which we previously used a measurement date that we determined was incorrect, we developed and applied a methodology in determining the revised measurement dates for option grants during the Relevant Period.

In addition to restatements for stock-based compensation and the related income and payroll tax effects, we recorded adjustments to correct other errors that occurred prior to fiscal 2007, which have been reflected in the accompanying related condensed consolidated financial statements.

Restatement Adjustments

Our restated condensed consolidated financial statements for the three and six months ended April 1, 2006 incorporate adjustments to correct for errors in stock-based compensation expense, payroll tax expense and other accounting matters, including the income tax impacts related to the restatement adjustments and other tax errors (collectively, the restatement adjustments). The table below presents the decrease to net income for the first three and six months of fiscal 2006 of the individual restatement adjustments, which are explained in further detail following the table (in thousands, except per share data):

	Three Months Ended April 1, 2006	Six Months Ended April 1, 2006
Stock-based compensation		
Annual grants to employees	\$ (102)	\$ 326
Annual grants to officers	15	143
Non-annual grants to employees	(84)	6
Non-annual grants to officers		3
Total stock-based compensation expense	(171)	478
Payroll taxes, interest and penalties		
Total stock-based compensation adjustments	102	189
	(69)	667
Other miscellaneous accounting adjustments		
Correction of Lambda Physik purchase accounting	139	277
Correction of accounting for asset retirement obligations	66	135
Classification of unrealized foreign exchange losses on intercompany note	37	77
	242	489
Total adjustments to income before income taxes	173	1,156
Income tax expense	2,003	1,499
Total decrease to net income	\$ 2,176	\$ 2,655
Decrease in diluted earnings per share	\$ 0.07	\$ 0.09

Stock-Based Compensation Summary These adjustments are from management's determination, based upon the Special Committee's investigation and our subsequent reviews and analyses that the initially recorded measurement dates for various categories of option grants during the Relevant Period were incorrect. These categories were:

- *Annual grants to employees.* We determined that the appropriate measurement date for annual grants to employees was the date on which evidence indicates the allocation of the options to the individual employees was substantially complete, as further described below. As a result, annual grants for an aggregate of 4,749,940 shares through the first six months of fiscal 2006 were remeasured and accounted for as fixed awards under Accounting Principles Board Opinion (APB) No. 25, Accounting for Stock Issued to Employees, or APB 25, for periods prior to

fiscal 2006 and under Statement of Financial Accounting Standards (SFAS) No. 123 (Revised 2004), Share-Based Payment (SFAS 123(R)), effective October 2, 2005 and thereafter, using the methodologies described below under Accounting Considerations Stock-Based Compensation.

- *Annual grants to officers.* For annual grants to officers during fiscal years 1995, 1996, 1997, 1999, 2000 and 2002, we adopted a methodology to remeasure these option grants to a revised measurement date, as described below under *Accounting Considerations Stock-Based Compensation*, and accounted for these grants as fixed awards under APB 25 or SFAS 123(R), as applicable. The grants represented options to purchase an aggregate of 1,251,500 shares through the first six months of fiscal 2006. For annual grants to officers during other fiscal years during the Relevant Period, management determined that the original measurement date was properly determined.
- *Non-annual grants to employees.* Non-annual grants to employees are initial grants to newly hired employees or incremental grants to existing employees upon their promotion. For non-annual grants to employees, we adopted a methodology to remeasure these option grants to a revised measurement date, as described below under *Accounting Considerations Stock-Based Compensation*, and accounted for these grants as fixed awards under APB 25 or SFAS 123(R), as applicable. The grants represented options to purchase an aggregate of 2,380,150 shares through the first six months of fiscal 2006.
- *Non-annual grants to officers.* Non-annual grants to officers are initial grants to newly hired officers or incremental grants upon an existing employee's promotion to an officer position. For non-annual grants to officers, we adopted a methodology to remeasure these option grants to a revised measurement date, as described below under *Accounting Considerations Stock-Based Compensation*, and accounted for these grants, which represented options to purchase an aggregate of 351,500 shares through the first six months of fiscal 2006, as fixed awards under APB 25 or SFAS 123(R), as applicable.

Payroll taxes, interest and penalties In connection with the stock-based compensation charges included in the restatement, certain options previously classified as Incentive Stock Options (ISO) were determined to have been granted with an exercise price below the fair market value of our stock on the revised measurement date. Under U.S. tax regulations, ISOs may not be granted with an exercise price less than the fair market value on the date of grant, and therefore might not qualify for ISO tax treatment. We refer to these stock options as the Affected ISOs. The potential disqualification of ISO status exposes us to additional payroll related withholding taxes on the exercise of options granted to U.S. employees, and interest and penalties for failing to properly withhold taxes on the exercise of those options. Additionally, we recorded tax, interest, and penalty expenses with respect to certain options granted in the U.K. which were determined to have been granted with an exercise price below the fair market value of our common stock on the revised measurement date (U.K. Options). The tax, interest and penalty expenses were recorded in the periods in which the underlying stock options were exercised. Then, in periods in which the liabilities were legally extinguished due to statutes of limitations, the expenses were reversed and recognized as a reduction in the related functional expense in our consolidated statements of operations. The net U.S. and U.K. tax liabilities at March 31, 2007 for this potential disqualification of ISO tax treatment for the Affected ISO s and the U.K. Options totaled \$1.2 million.

Management and the Board are considering possible ways to address the impact that Section 409A of the Internal Revenue Code (IRC) may have as a result of the exercise price of stock options being less than the fair market value of our common stock on the revised measurement date. IRC Section 409A imposes significant additional taxes to our employees on stock options granted with an exercise price lower than the fair market value on the date of grant that vest after December 31, 2004. The Internal Revenue Service (IRS) has issued transition rules under IRC Section 409A that allows for a correction, or cure , for non-exercised, non-executive options subject to IRC Section 409A. We continue to

evaluate the potential corrections or cures in light of the additional time relief granted by the IRS through December 2008.

Other miscellaneous accounting adjustments In addition to stock-based compensation related charges, we recorded adjustments to correct errors in the condensed consolidated financial statements for the fiscal 2006 periods that had not been previously reflected in our condensed consolidated financial statements. These restatements relate to the correction of errors in the purchase accounting related to our acquisition of a 39.62% interest in Lambda Physik in fiscal 2003, the failure to adopt the provisions of SFAS No. 143 Accounting for Asset Retirement Obligations and the correction of the classification of unrealized foreign exchange gains and losses related to an intercompany note.

Income tax benefit We reviewed the income tax effect of the stock-based compensation charges, and we believe that the proper income tax accounting for U.S. stock options under GAAP depends, in part, on the tax distinction of the stock options as either ISOs or non-qualified stock options (NSOs). Under U.S. tax regulations, ISOs may not be granted with an exercise price less than the fair market value on the date of grant. Because of the potential impact of the measurement date changes on the qualified status of Affected ISOs, we have determined that all Affected ISOs might not be qualified ISOs under the tax regulations, and therefore should be accounted for as if they were NSOs for income tax accounting purposes. The Company recorded a tax benefit with respect to the Affected ISOs. To the extent an ISO was not disqualified through a same day sale or sold before fulfilling the holding period requirements related to the Affected ISOs, the recorded tax asset was written off to earnings when the statute of limitations for the year of exercise closed.

We have recorded a net income tax benefit of approximately \$3.0 million in connection with the stock-based compensation related expense during the period from fiscal year 1995 through April 1, 2006. The recognized tax benefit related to affected stock options granted to officers was limited due to the potential non-deductibility of the related expenses under IRC Section 162(m). This IRS rule limits the amount of executive compensation that may be deducted for U.S. tax purposes under certain circumstances. We did not record a tax benefit or deferred tax asset for affected stock options granted to non-U.S., non-U.K. and certain non-German employees because we determined that we could not receive tax benefits outside of the U.S., U.K. and Germany. The net tax benefit has resulted in an increase of our deferred tax assets for all U.S. and UK affected stock options and certain German affected stock options prior to the exercise or forfeiture of the related options. Upon exercise or cancellation of the underlying options, the excess or deficiency in deferred tax assets are written-off to either expense or additional paid-in capital in the period of exercise or cancellation.

Further, we have recorded additional restatements to income taxes to record the effect of errors identified in the accounting for income tax contingencies resulting from the misapplication of information available at the date of the misstatement as well as the tax effects of the other miscellaneous accounting adjustments.

Accounting Considerations Stock-Based Compensation

Prior to the adoption of SFAS 123(R) in fiscal 2006, we originally accounted for all employee, officer and director stock option grants as fixed grants under APB 25, using the recorded grant date as the measurement date. We issued all grants with an exercise price equal to the fair market value of our common stock on the recorded grant date, and therefore originally recorded no stock-based compensation expense.

The Special Committee concluded that the measurement dates for certain stock option grants differed from the recorded grant dates for such grants. As described in APB 25, the measurement date is the first date on which both the number of shares that an individual employee was entitled to receive and the exercise price are known with finality. Using the methodologies described below we revised the measurement dates for the indicated option grants during the Relevant Period, and we refer to these revised measurement dates as the Revised Measurement Dates. For periods prior to fiscal 2006, we calculated stock-based compensation expense under APB 25 based upon the intrinsic value as of the Revised Measurement Dates of stock option awards determined to be fixed awards under APB 25 and the vesting provisions of the underlying options through October 1, 2005. We calculated the intrinsic value on the Revised Measurement Date as the closing price of our common stock on such date as reported on the Nasdaq National Market, now the Nasdaq Global Market, less the exercise price per share of common stock as stated in the underlying stock option agreement, multiplied by the number of shares subject to such stock option award. We recognized these amounts as compensation expense on a straight-line basis over the vesting period of the underlying options. Effective October 2, 2005, we adopted the fair value recognition provisions of SFAS 123(R), requiring us to recognize expense related to the fair value of our stock-based compensation awards. Therefore, subsequent to fiscal 2005, we calculated stock-based compensation expense based upon the fair value as of the Revised Measurement Date in accordance with the provisions of SFAS 123(R).

The methodology we used to determine the Revised Measurement Dates associated with prior stock option grants was as follows:

Annual grants to employees For the majority of the annual grants to employees, the process of allocating stock option grants among individual employees continued beyond the recorded grant date. Based on available evidence, we have determined that the appropriate measurement date for annual grants to employees was the earliest date on which evidence indicates the allocation of the options to the individual employees was substantially complete. We defined substantially complete as the point at which evidence indicated that 96% or greater of the grant records had been determined with finality. Such determination was based on the earliest of the three following actions that could be

verified with available evidence: (1) on evidence of a substantially complete listing of options allocated to individual employees, (2) on evidence of communication stating that the process was complete supported by records being added into our stock option database application prior to, on or within two days of such communication or (3) on evidence of dates that the employee records of the grants of the stock option were added to the stock option database application (the record added date), where evidence of a substantially complete listing of options allocated to individual employees was not available.

After the date on which substantially all granting activities were completed, there were an insignificant number of changes to option awards attributable to circumstances such as the effective cancellation of a grant because of an employee's termination, or additions due to administrative error corrections, promotion or individual performance reassessment. Where option awards were added subsequent to the date the allocation process was substantially complete, we have determined that each award was a separate grant with its own measurement date and that this subsequent addition was not indicative that the broader granting process for such annual awards had failed to be completed by the Revised Measurement Date. Measurement dates for individual awards which were not substantially complete by the Revised Measurement Date were determined based on the earlier of (1) the date the additions were communicated to the stock administrator for addition to the annual grant pool, (2) the record added date or (3) for periods prior to the implementation of the current stock administration system, the print date of the Notice of Grant.

Annual grants to officers For annual grants to officers during fiscal years 1995, 1996, 1997, 1999, 2000 and 2002, the grants were awarded between Board meeting dates and in certain cases between committee meeting dates, and there is a lack of evidence that the price and number of shares were determined with finality as of the recorded grant date.

Based on available evidence, we have determined that the appropriate measurement date for annual grants to officers was the date on which evidence indicates that both the shares awarded to the officers and the exercise price of those shares was known with finality. Such determination was based on the earliest date of the three following actions that could be verified with available evidence: (1) the date that the specific number of shares for each officer was approved for grant by the Board as evidenced by the minutes of the Board of Directors meeting, providing that the approval occurred prior to the submission of the applicable Form 3 or Form 4 to the Securities and Exchange Commission (SEC); (2) the record added date, providing that the record was added prior to the submission of the applicable Form 3 or Form 4 to the SEC; or (3) the date of submission of the applicable Form 3 or Form 4 to the SEC.

Non-annual grants to employees Non-annual grants to employees are initial grants to newly hired employees or incremental grants to existing employees upon their promotion. For non-annual grants to employees prior to June 2003, our stated process was to select the grant date to be the Monday after the Human Resources department requested the award. On June 5, 2003, we strengthened our process to require the signature of the Executive Vice President of HR on all award requests with the grant date to be the Monday after receipt of such signature. Beginning on June 7, 2006, we changed our process to require three members of an equity grant committee, established by the Board and the Board's Compensation and H.R. Committee, to meet only on a fixed date once a month to consider any requested awards, with the award effective on such date or, in the event action was required by written consent, the action would be effective on the date the last consent signature was received.

Based on available evidence, we determined that the process was not consistently followed during the period from fiscal 1995 through June 4, 2003. As a result, we determined that the appropriate measurement date for non-annual employee grants during the period from fiscal 1995 through June 4, 2003 was the earliest date of the two following actions that could be verified with available evidence: (1) the record added date and (2) the date the specific grant was approved as evidenced by the minutes of a Board of Directors meeting.

For the period from June 5, 2003 through June 6, 2006, we determined that most of the measurement dates for non-annual grants to employees during this period followed the stated process and were appropriate. For two grants that we determined did not follow the process, we determined the appropriate measurement date based on the stated process.

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For the period from June 7, 2006 through September 30, 2006, we determined that we followed the process consistently and that all of the measurement dates for non-annual grants to employees during this period were appropriate.

Non-annual grants to officers Non-annual grants to officers are initial grants to newly hired officers or incremental grants for existing employees upon their promotion to an officer position. For non-annual grants to officers, Board or Compensation and H.R. Committee approval was reflected in written actions. We determined that the original recorded grant dates lacked evidence supporting when such written actions were executed for ten of the twelve non-annual grants to officers during the period from fiscal 1995 through fiscal 2006.

Based on available evidence, we determined that the appropriate measurement date for each of the ten non-annual grants to officers was the earliest of the three following actions that could be verified with available evidence: (1) the date written actions reflecting approval by the Board or Compensation and H.R. Committee were executed; (2) the record added date, providing that the related notice of grant was printed by us prior to the submission of the applicable Form 3 or Form 4 to the SEC; and (3) the date the applicable Form 3 or Form 4 was submitted to the SEC.

Non-employee director automatic stock option grants Our 1990 and 1998 Directors' Option Plans provide for the automatic and non-discretionary grant of non-statutory stock options to our non-employee directors, such that the grants require no independent action of the Board of Directors. The 1998 Directors' Plan replaced the 1990 Directors' Plan which expired on December 8, 1999 and was approved by stockholders on March 17, 1999. From 1995 through March 27, 2003, under both Plans, each non-employee director was automatically granted a non-discretionary grant of a non-statutory stock option to purchase 20,000 shares of common stock upon appointment as a member of the Board, and each non-employee director was granted a non-discretionary grant of a non-statutory stock option to purchase 5,000 shares of our common stock on the date of each Annual Meeting of Stockholders. The 1998 Directors' Plan was amended by the Stockholders on March 23, 2003 to increase the automatic non-discretionary grant of a non-statutory stock option to purchase shares of common stock upon appointment as a member of the Board from 20,000 to 30,000 shares (Initial Grant) and to increase the non-discretionary grant of a non-statutory stock option to purchase shares of our common stock on the date of and immediately following each Annual Meeting of Stockholders from 5,000 shares to 12,000 shares (Subsequent Grant). The Plans provide that the exercise price shall be equal to the fair market value of the common stock on the date of the grant of the options. On March 30, 2006, the 1998 Directors Plan was further amended to reduce the Initial Grant from 30,000 to 24,000 shares and the Subsequent Grant from 12,000 to 6,000 shares. In addition, non-employee directors receive a restricted stock unit of 2,000 shares upon first joining the Board of Directors and an award of restricted stock units of 2,000 shares on each Annual Meeting of Stockholders where such director is reelected.

We have determined that, as a result of administrative errors, a total of five automatic grants representing initial options to purchase a total of 140,000 shares under the 1998 Directors' Plan upon the appointment of five of our directors to the Board of Directors were documented as having been made on dates other than as set forth in the 1998 Directors' Option Plan. We have corrected the documentation of these grants to reflect the correct dates and exercise prices, as automatically established under the 1998 Directors' Option Plan. Because these actions were corrections of administrative errors in the documentation, rather than changing any of the terms of the stock option grants as automatically granted, we determined that there was no accounting charge to be recognized in connection with these corrections, as the correct measurement date was the date of grant as automatically established by the 1998 Directors' Option Plan, and the exercise price was the fair market value of our common stock on the correct measurement date.

Although we determined that there is no accounting charge resulting from the administrative correction, the administrative correction did result in an increase of the exercise price for each of the five grants. Four of such directors have expressly agreed to the correction to increase the exercise prices of certain of such grants to purchase 107,800 shares. The fifth director's option expired unexercised; therefore no such agreement was needed. Further, the three directors who exercised misdocumented grants have reimbursed us for the difference between the aggregate exercise price as misdocumented and as corrected, in the amounts of \$1,195, \$1,100 and \$1,272, respectively.

Impact of the Restatement Adjustments on our Condensed Consolidated Financial Statements

The following tables present the impact of the financial statement restatement adjustments on our previously reported condensed consolidated statements of operations for the three and six months ended April 1, 2006 and the condensed consolidated statements of cash flows for the six months ended April 1, 2006 (in thousands, except per share data):

	Three Months Ended April 1, 2006			Six Months Ended April 1, 2006		
	As Previously Reported	Adjustments	As Restated	As Previously Reported	Adjustments	As Restated
Net sales	\$ 145,988	\$	\$ 145,988	\$ 276,982	\$	\$ 276,982
Cost of sales	82,124	36(A,C)	82,160	156,967	193(A,C)	157,160
Gross profit	63,864	(36)	63,828	120,015	(193)	119,822
Operating expenses:						
Research and development	19,263	(67)(A)	19,196	33,881	63(A)	33,944
In-process research and development				690		690
Selling, general and administrative	32,131	(11)(A,C)	32,120	61,542	466(A,C)	62,008
Restructuring and other charges (recoveries)	(90)		(90)	(90)		(90)
Amortization of intangible assets	2,335	139(B)	2,474	4,641	277(B)	4,918
Total operating expenses	53,639	61	53,700	100,664	806	101,470
Income from operations	10,225	(97)	10,128	19,351	(999)	18,352
Other income (expense):						
Interest and dividend income	2,745		2,745	4,626		4,626
Interest expense	(590)	(36)C	(626)	(821)	(73)(C)	(894)
Other net	88	(40)(A,D)	48	(8)	(84)(A,D)	(92)
Total other income, net	2,243	(76)	2,167	3,797	(157)	3,640
Income before income taxes	12,468	(173)	12,295	23,148	(1,156)	21,992
Provision for income taxes	4,295	2,003(A,E)	6,298	5,659	1,499(A,E)	7,158
Net income	\$ 8,173	\$ (2,176)	\$ 5,997	\$ 17,489	\$ (2,655)	\$ 14,834
Net income per share:						
Basic	\$ 0.27	\$ (0.08)	\$ 0.19	\$ 0.57	\$ (0.09)	\$ 0.48
Diluted	\$ 0.26	\$ (0.07)	\$ 0.19	\$ 0.56	\$ (0.09)	\$ 0.47
Shares used in computation:						
Basic	30,754		30,754	30,939		30,939
Diluted	31,316	(2)(F)	31,314	31,396	(3)(F)	31,393

(A) Adjustments for stock-based compensation expense and the associated payroll taxes, interest, penalties and income tax benefit.

(B) Adjustment to correct errors in the amortization of intangibles related to the purchase accounting for our acquisition of a 39.62% interest in Lambda Physik in fiscal 2003.

(C) Adjustments for errors in the accounting for asset retirement obligations.

(D) Adjustment to correct the classification of unrealized foreign exchange gains and losses related to an intercompany note.

(E) Adjustments to correct for errors in income taxes, including the income tax effects of adjustments described in A, C, and D above.

(F) Adjustment to reflect the effect on diluted weighted average shares outstanding as a result of the restatements described in A above.

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	Six Months Ended April 1, 2006		
	As Previously Reported	Adjustments	As Restated
Cash flows from operating activities:			
Net income	\$ 17,489	\$ (2,655)	\$ 14,834
Adjustments to reconcile net income to net cash provided by operating activities:			
Purchased in-process research and development	690		690
Depreciation and amortization	13,181	60(C)	13,241
Amortization of intangible assets	4,641	277(B)	4,918
Deferred income taxes	572		572
Stock-based compensation	6,735	466(A)	7,201
Excess tax benefit from stock-based compensation arrangements	(15)	(258(A))	(273)
Tax benefit from employee stock options		391(G)	391
Amortization of bond issue costs		83(F)	83
Other non-cash expense (income)	102	(303(C,G))	(201)
Changes in assets and liabilities, net of effect of acquisitions:			
Accounts receivable	(11,929)		(11,929)
Inventories	7,544		7,544
Prepaid expenses and other assets	(3,071)		(3,071)
Other assets	(2,068)		(2,068)
Accounts payable	5,760		5,760
Income taxes payable/receivable	(2,158)	1,499(A,E)	(659)
Other current liabilities	(3,893)	189(A)	(3,704)
Other long-term liabilities	(250)		(250)
Net cash provided by operating activities	33,330	(251)	33,079
Cash flows from investing activities:			
Purchases of property and equipment	(8,073)	(54)(C)	(8,127)
Proceeds from dispositions of property and equipment	182		182
Purchases of available-for-sale securities	(117,981)		(117,981)
Proceeds from sales and maturities of available-for-sale securities	175,546		175,546
Acquisition of businesses, net of cash acquired	(5,114)		(5,114)
Change in restricted cash	(1,352)		(1,352)
Deferred business acquisition costs	(2,106)		(2,106)
Other-net	(146)	(29)(C,F)	(175)
Net cash used in investing activities	40,956	(83)	40,873
Cash flows from financing activities:			
Long-term debt borrowings	1,387		1,387
Cash overdrafts increase	(2,686)		(2,686)
Issuance of common stock under employee stock plans	6,947		6,947
Repurchase of common stock	(22,250)		(22,250)
Proceeds received from issuance of convertible subordinated notes	200,000		200,000
Debt issuance costs	(5,112)		(5,112)
Excess tax benefits from stock-based compensation arrangements	15	258(A)	273
Net cash used in financing activities	178,301	258	178,559
Effect of exchange rate changes on cash and cash equivalents	3,200	76(D)	3,276
Net increase in cash and cash equivalents	255,787		255,787
Cash and cash equivalents, beginning of period	97,507		97,507
Cash and cash equivalents, end of period	\$ 353,294	\$	\$ 353,294

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- (A) Adjustments for stock-based compensation expense and the associated payroll taxes, interest, penalties and income tax benefit.
 - (B) Adjustment to correct errors in the amortization of intangibles related to the purchase accounting for our acquisition of a 39.62% interest in Lambda Physik in fiscal 2003.
 - (C) Adjustments for errors in the accounting for asset retirement obligations.
 - (D) Adjustment to correct the classification of unrealized foreign exchange gains and losses related to an intercompany note.
 - (E) Adjustments to correct for errors in income taxes, including the income tax effects of adjustments described in A, C and D above.
 - (F) Reclassification of amortization of bond issue costs from investing to operating cash flows to conform to current period presentation.
 - (G) Reclassification of tax benefit from employee stock options to conform to current period presentation.

4. RECENT ACCOUNTING STANDARDS

In June 2006, the FASB issued Financial Interpretation No. (FIN) 48, Accounting for Uncertainty in Income Taxes, (FIN 48) which clarifies the accounting for uncertainty in income taxes recognized in an enterprise's financial statements in accordance with SFAS 109, Accounting for Income Taxes. FIN 48 prescribes a recognition threshold and measurement attribute for the financial statement recognition and measurement of a tax position taken or expected to be taken in a tax return. It also provides guidance on derecognition, classification, interest and penalties, accounting in interim periods, disclosure, and transition. In addition, in May 2007, the FASB issued FASB Staff Position No. FIN 48-1,

Definition of Settlement in FASB Interpretation No. 48, (FSP FIN 48-1) to amend FIN No. 48 by providing that previously unrecognized tax benefits can be recognized when the tax positions are effectively settled upon examination by a taxing authority. According to FSP FIN 48-1, an enterprise's tax position will be considered effectively settled if the taxing authority has completed its examination, the enterprise does not plan to appeal, and the possibility is remote that the taxing authority would reexamine the tax position in the future. The requirements of FIN 48 and FSP FIN 48-1 are effective for our fiscal year beginning September 30, 2007. As of the end of fiscal year 2007, we estimate that our tax contingencies could increase by approximately \$1 million to \$3 million as a result of the adoption of FIN 48 and FSP FIN 48-1. This amount would be an adjustment to our retained earnings for fiscal year beginning September 30, 2007.

In September 2006, the SEC issued Staff Accounting Bulletin 108 Considering the Effects of Prior Year Misstatements When Quantifying Misstatements in Current Year Financial Statements (SAB 108) addressing how the effects of the carryover or reversal of prior year misstatements should be considered in quantifying a current year misstatement. The SEC Staff believes that companies should quantify errors using both a balance sheet and an income statement approach and evaluate whether either of these approaches results in quantifying a misstatement that, when all relevant quantitative and qualitative factors are considered, is material. SAB 108 also describes the circumstances where it would be appropriate for a registrant to record a one-time cumulative effect adjustment to correct errors existing in prior years that previously had been considered immaterial as well as the required disclosures to investors. SAB 108 is effective for us for fiscal year 2007. We adopted SAB 108 on October 1, 2006 and our adoption did not have an impact on our consolidated financial position and results of operations.

In February 2007, the FASB issued SFAS No. 159, The Fair Value Option for Financial Assets and Financial Liabilities (SFAS 159). SFAS 159 expands the use of fair value accounting but does not affect existing standards, which require assets or liabilities to be carried at fair value.

Under SFAS 159, a company may elect to use fair value to measure certain financial assets and financial liabilities, on an instrument-by-instrument basis. If the fair value option is elected, unrealized gains and losses on existing items for which fair value has been elected are reported as a cumulative adjustment to beginning retained earnings. Subsequent to the adoption of SFAS 159, changes in fair value are recognized in earnings. SFAS 159 is effective for fiscal years beginning after November 15, 2007 with earlier adoption permitted. We have elected not to early adopt and are currently assessing the impact of SFAS 159 on our consolidated financial position and results of operations.

5. REVENUE RECOGNITION

We recognize revenue when all four revenue recognition criteria have been met: persuasive evidence of an arrangement exists, the product has been delivered or the service has been rendered, the price is fixed or determinable and collection is probable. Revenue from product sales is recorded when all of the foregoing conditions are met and risk of loss and title passes to the customer. Our products typically include a one-year warranty and the estimated cost of product warranty claims (based on historical experience) is recorded at the time the sale is recognized. Sales to customers are generally not subject to any price protection or return rights.

The vast majority of our sales are made to original equipment manufacturers (OEMs), distributors, resellers and end-users in the non-scientific market. Sales made to these customers do not require installation of the products by us and are not subject to other post-delivery obligations, except in occasional instances where we have agreed to perform installation or provide training. In those instances, we defer revenue related to installation services or training until these services have been rendered. We allocate revenue from multiple element arrangements to the various elements based upon relative fair values, which is determined based on the price charged for each deliverable on a standalone basis.

Our sales to distributors, resellers and end-user customers typically do not have customer acceptance provisions and only certain of our sales to OEM customers have customer acceptance provisions. Customer acceptance is generally limited to performance under our published product specifications. For the few product sales that have customer acceptance provisions because of other than published specifications, (1) the products are tested and accepted by the customer at our site or by the customer's acceptance of the results of our testing program prior to shipment to the customer, or (2) the revenue is deferred until customer acceptance occurs.

Sales to end-users in the scientific market typically require installation and, thus, involve post-delivery obligations; however, our post-delivery installation obligations are not essential to the functionality of our products. We defer revenue related to installation services until completion of these services.

For most products, training is not provided; therefore, no post-delivery training obligation exists. However, when training is provided to our customers, it is typically priced separately and is recognized as revenue after these services have been provided.

6. SHORT-TERM INVESTMENTS

We consider all highly liquid investments with maturities of three months or less at the time of purchase to be cash equivalents. Marketable short-term investments in debt and equity securities are classified and accounted for as available-for-sale securities and are valued based on quoted market prices. Investments classified as available-for-sale are reported at fair value with unrealized gains and losses, net of related income taxes, recorded as a separate component of other comprehensive income (OCI) in stockholders' equity until realized. Interest and amortization of premiums and discounts for debt securities are included in interest income. Gains and losses on securities sold are determined based on the specific identification method and are included in other income (expense).

Cash, cash equivalents and short-term investments consist of the following (in thousands):

	Cost Basis	March 31, 2007		Fair Value
		Unrealized Gains	Unrealized Losses	
Cash and cash equivalents	\$ 415,663	\$ 9	\$ (4)	\$ 415,668
Less: restricted cash and cash equivalents, non-current				(3,801)
				\$ 411,867
Short-term investments:				
Available-for-sale securities:				
U.S. government and agency obligations	\$ 30,392	\$ 36	\$ (19)	\$ 30,409
State and municipal obligations	52,607	805	(11)	53,401
Corporate notes and obligations	33,225	110	(18)	33,317

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Total short-term investments	\$	116,224	\$	951	\$	(48)	\$	117,127
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	September 30, 2006			
	Cost Basis	Unrealized Gains	Unrealized Losses	Fair Value
Cash and cash equivalents	\$ 448,940	\$	\$	\$ 448,940
Less: restricted cash and cash equivalents, non-current				(3,709)
				\$ 445,231
Short-term investments:				
Available-for-sale securities:				
U.S. government and agency obligations	\$ 18,125	\$ 131	\$ (87)	\$ 18,169
State and municipal obligations	16,130	237	(30)	16,337
Corporate notes and obligations	14,235	59	(33)	14,261
Total short-term investments	\$ 48,490	\$ 427	\$ (150)	\$ 48,767

At March 31, 2007, \$2.5 million of cash and cash equivalents were restricted for remaining close out costs associated with our purchase of the remaining outstanding shares of Lambda Physik and \$1.3 million were restricted pursuant to an outstanding long-term debt arrangement at a subsidiary. At September 30, 2006, \$2.5 million of cash and cash equivalents were restricted for remaining close out costs associated with our purchase of the remaining outstanding shares of Lambda Physik and \$1.2 million were restricted pursuant to an outstanding long-term debt arrangement at a subsidiary.

7. INTANGIBLE ASSETS`

The changes in the carrying amount of goodwill for the period from September 30, 2006 to March 31, 2007 are summarized as follows (in thousands):

	Commercial Lasers and Components	Specialty Laser Systems	Total
Balance as of September 30, 2006	\$ 16,813	\$ 55,058	\$ 71,871
Acquisition related			
Translation adjustments and other	159	1,728	1,887
Balance as of March 31, 2007	\$ 16,972	\$ 56,786	\$ 73,758

Refer to discussion on our operating segments in Note 16.

Components of our amortizable intangible assets are as follows (in thousands):

	March 31, 2007			September 30, 2006		
	Gross Carrying Amount	Accumulated Amortization	Net	Gross Carrying Amount	Accumulated Amortization	Net
Existing technology	\$ 51,215	\$ (23,556)	\$ 27,659	\$ 50,487	\$ (20,602)	\$ 29,885
Patents	9,540	(6,075)	3,465	9,106	(5,391)	3,715
Drawings	1,302	(1,302)		1,243	(1,243)	
Order backlog	4,547	(4,547)		4,344	(4,344)	
Customer lists	4,314	(2,127)	2,187	4,213	(1,805)	2,408
Trade name	3,513	(1,457)	2,056	3,365	(1,217)	2,148
Non-compete agreement	2,166	(1,714)	452	2,084	(1,377)	707
Total	\$ 76,597	\$ (40,778)	\$ 35,819	\$ 74,842	\$ (35,979)	\$ 38,863

Amortization expense for intangible assets for the six months ended March 31, 2007 was \$3.9 million. At March 31, 2007, estimated amortization expense for the remainder of fiscal 2007, the next five succeeding fiscal years and all fiscal years thereafter are as follows (in thousands):

	Estimated Amortization Expense
2007 (remainder)	\$3,942
2008	7,464
2009	6,895
2010	5,560
2011	4,479
2012	3,235
Thereafter	4,244
Total	\$35,819

8. BALANCE SHEET DETAILS

Inventories consist of the following (in thousands):

	March 31, 2007	September 30, 2006
Purchased parts and assemblies	\$ 25,518	\$ 17,365
Work-in-process	46,480	50,189
Finished goods	31,419	33,940
Inventories	\$ 103,417	\$ 101,494

Prepaid expenses and other assets consist of the following (in thousands):

	March 31, 2007	September 30, 2006
Prepaid expenses and other	\$31,207	\$15,062
Prepaid and refundable income taxes	5,060	5,060
Prepaid debt issuance costs	1,163	1,134
Total prepaid expenses and other assets	\$37,430	\$21,256

Other assets consist of the following (in thousands):

	March 31, 2007	September 30, 2006
Assets related to deferred compensation arrangements	\$29,429	\$23,069
Deferred tax assets	22,281	32,717
Prepaid debt issuance costs	3,393	3,875

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Other assets	2,914	2,433
Total other assets	\$58,017	\$62,094

Other current liabilities consist of the following (in thousands):

	March 31, 2007		September 30, 2006
Accrued payroll and benefits	\$ 25,306	\$	30,661
Accrued expenses and other	40,969		25,041
Reserve for warranty	13,007		11,462
Deferred income	5,411		7,832
Customer deposits	3,802		2,740
Accrued restructuring charges	642		1,616
Total other current liabilities	\$ 89,137	\$	79,352

In the first six months of fiscal 2007, we recorded \$1.3 million of payments made against our accrued restructuring charges for remaining lease liabilities and recorded sublease income of \$0.3 million. In the first quarter of fiscal 2006, we exited our Fort Lauderdale, Florida facility and, as a result, we recorded a facility closure charge of \$0.6 million. The facility closure charge included the estimated contractual obligations for lease and other facility costs, net of estimated sublease income.

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We provide warranties on certain of our product sales (generally one year) and allowances for estimated warranty costs are recorded during the period of sale. The determination of such allowances requires us to make estimates of product return rates and expected costs to repair or replace the products under warranty. We currently establish warranty reserves based on historical warranty costs for each product line. If actual return rates and/or repair and replacement costs differ significantly from our estimates, adjustments to cost of sales may be required in future periods.

Components of the reserve for warranty costs during the first six months of fiscal 2007 and 2006 were as follows (in thousands):

		Six Months Ended	
	March 31, 2007		April 1, 2006
Beginning balance	\$	11,462	\$ 10,424
Additions related to current period sales		11,000	9,370
Warranty costs incurred in the current period		(9,672)	(9,269)
Adjustments to accruals related to prior period sales		217	(127)
Ending balance	\$	13,007	\$ 10,398

The following table reconciles changes in our asset retirement liability, which is reported in other long-term liabilities on our condensed consolidated balance sheets (in thousands):

		Six Months Ended	
	March 31, 2007		April 1, 2006
Beginning balance	\$	1,765	\$ 1,674
Additional asset retirement obligations recognized			54
Adjustment to asset retirement obligations recognized		(7)	
Accretion recognized		75	73
Changes due to foreign currency exchange		114	
Ending balance	\$	1,947	\$ 1,801

Other long-term liabilities consist of the following (in thousands):

		March 31, 2007		September 30, 2006
Deferred compensation	\$	30,179	\$	28,017
Deferred tax liabilities		2,567		684
Deferred income		4,915		4,390
Asset retirement liability		1,947		1,765
Other long-term liabilities		2,891		2,563
Total other long-term liabilities	\$	42,499	\$	37,419

9. CONVERTIBLE SUBORDINATED NOTES

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In March 2006, we issued \$200.0 million of 2.75% convertible subordinated notes due March 2011. The notes were unsecured and subordinate to all existing and future senior debt. The notes were scheduled to mature on March 1, 2011, unless earlier redeemed or converted. Interest on the notes is payable in cash semi-annually in arrears on March 1 and September 1 of each year.

The fair value of the convertible debt at March 31, 2007 was estimated at \$214.1 million, based on quoted market prices for the convertible notes. The carrying value of the convertible subordinated notes was \$199.8 million at March 31, 2007.

On December 15, 2006, we received a letter from U.S. Bank National Association (the trustee) for the holders of the outstanding principal amount of 2.75% convertible subordinated notes due 2011 stating that we had violated certain provisions in the indenture dated March 13, 2006 (the Indenture) as a result of our failure to file our annual report for fiscal 2006 with the SEC. The Indentures provided that such a default could be cured by making that filing with the SEC within 60 days after the receipt by us of the notice of default. The indentures also provided that such a default, if not cured by that date, would give certain

holders and the trustee the right to accelerate the maturity of the notes. We did not cure the default within 60 days after the receipt by us of the notice of default. On August 17, 2007, as amended by an addendum delivered on August 20, 2007, we received a letter from the trustee under that Indenture declaring the principal amount and accrued and unpaid interest, plus additional interest under the Notes, to be immediately due and payable pursuant to the Indenture due to our failure to file reports required to be filed and delivered to the trustee under the Indenture and Sections 13 and 15(d) of the Securities Exchange Act of 1934, as amended. The aggregate amount due and payable under the Notes including interest was \$203.0 million, which we paid on August 21, 2007. In connection therewith, we also recorded a charge of \$2.6 million to write off unamortized capitalized deferred issuance costs.

As a result of the violation and subsequent repayment, the convertible subordinated notes have been classified as current liabilities as of March 31, 2007.

10. STOCK-BASED COMPENSATION

Stock-Based Benefit Plans

We have two Stock Option Plans for which all service providers are eligible participants and a Directors' Stock Option Plan for which only non-employee directors are eligible participants. The Directors' Stock Option Plan is designed to work automatically without administration, however to the extent administration is necessary, it will be performed by the Board of Directors or a committee thereof. Under these three plans, we may grant options to purchase up to an aggregate of 5,500,000, 6,300,000 and 681,000 shares of common stock, respectively of which no, 3,770,650 and 170,000, respectively, remain available for grant at March 31, 2007. Employee options are generally exercisable between two to four years from the grant date at a price equal to the fair market value of the common stock on the date of the grant and generally vest 25% to 50% annually. We settle stock option exercises with newly issued shares of common stock. Grants under employee plans expire six years from the original grant date, unless otherwise determined by the Board or a committee thereof, up to a maximum of ten years. Director options are automatically granted to our non-employee directors. Such directors initially receive a stock option for 24,000 shares exercisable over a three-year period and an award of restricted stock units of 2,000 shares. Additionally, the non-employee directors receive an annual grant of 6,000 shares exercisable as to 50% of the shares on the day prior to each of the next two annual stockholder meetings. Grants under director plans expire ten years from the original grant date. In addition, each non-employee director receives an annual grant of 2,000 shares of restricted stock units that vest on the day prior to the annual stockholder meeting held in the third calendar year following the date of grant.

Restricted stock awards granted under our Stock Option Plans are independent of option grants and are subject to restrictions. At March 31, 2007, we had 270,065 shares of restricted stock outstanding, including 99,500 performance-based restricted stock awards and stock units, all of which are subject to forfeiture if employment terminates prior to the release of restrictions. During this period, ownership of the shares cannot be transferred. The service-based restricted awards generally vest three years from the date of grant. The performance-based restricted stock grants are subject to annual vesting over three years depending upon the achievement of performance measurements tied to the Company's internal metrics for revenue growth and EBITDA percentage and is variable. For fiscal 2006 awards, 115% of the target shares, or 19,479 shares, were issued. The number of shares earned can range from 0% to 200% of the grant target for 2007 and 2008. Restricted stock (not including performance-based restricted stock) has the same cash dividend and voting rights as other common stock and is considered to be currently issued and outstanding. The cost of the awards, determined to be the fair market value of the shares at the date of grant, is expensed ratably over the period the restrictions lapse.

We have an Employee Stock Purchase Plan (ESPP) whereby eligible employees may authorize payroll deductions of up to 10% of their regular base salary to purchase shares at the lower of 85% of the fair market value of the common stock on the date of commencement of the offering or on the last day of the six-month offering period. At March 31, 2007, 224,536 shares of our common stock were reserved for future issuance under the plan.

In the second quarter of fiscal 2007, the stock purchase plan was suspended and employee contributions made to date were returned while the Special Committee conducted a voluntary review of our historical stock option practices. See Note 3, Restatement of Condensed Consolidated Financial Statements. The remaining unamortized expense of \$0.5 million was recognized in the second quarter of fiscal 2007.

Adoption of SFAS 123(R)

Effective October 2, 2005, we adopted the fair value recognition provisions of SFAS No. 123 (Revised 2004), Share-Based Payment, (SFAS 123(R)), requiring us to recognize expense related to the fair value of our stock-based compensation awards. We recognize compensation expense for all share-based payment awards on a straight-line basis over the respective requisite service period of the awards.

Determining Fair Value

Valuation and amortization method We estimate the fair value of stock options granted using the Black-Scholes-Merton option-pricing formula and a single option award approach. This fair value is then amortized on a straight-line basis over the requisite service periods of the awards, which is generally the vesting period.

Expected Term The expected term represents the period that our stock-based awards are expected to be outstanding and was determined based on historical experience of similar awards, giving consideration to the contractual terms of the stock-based awards, vesting schedules and expectations of future employee behavior as influenced by changes to the terms of its stock-based awards.

Expected Volatility Our computation of expected volatility is based on a combination of historical volatility and market-based implied volatility.

Risk-Free Interest Rate The risk-free interest rate used in the Black-Scholes-Merton valuation method is based on the implied yield currently available on U.S. Treasury zero-coupon issues with an equivalent remaining term.

Expected Dividend The expected dividend assumption is based on our current expectations about our anticipated dividend policy.

There were no grants made under our stock option and stock purchase plans during the second quarter of fiscal 2007 due to the voluntary review of our historical stock option practices. For the other periods presented, the fair values of our stock options granted to employees and shares purchased under the stock purchase plan for the three months ended April 1, 2006 and six months ended March 31, 2007 and April 1, 2006 were estimated using the following weighted-average assumptions:

	Employee Stock Option Plans				Employee Stock Purchase Plans			
	Three Months Ended		Six Months Ended		Three Months Ended		Six Months Ended	
	March 31, 2007	April 1, 2006	March 31, 2007	April 1, 2006	March 31, 2007	April 1, 2006	March 31, 2007	April 1, 2006
Expected life in years		5.3	4.4	5.3		0.5	0.5	0.5
Expected volatility	%	36.3%	34.2%	36.3%	%	34.8%	29.0%	34.1%
Risk-free interest rate	%	4.6%	4.7%	4.6%	%	4.2%	5.1%	4.1%
Expected dividends		none	none	none		none	none	none
Weighted average fair value	\$	\$ 14.07	\$ 12.04	\$ 13.98	\$	\$ 7.54	\$ 8.43	\$ 7.57

Stock Compensation Expense

The following table shows total stock-based compensation expense included in the Condensed Consolidated Statements of Operations for the three and six months ended March 31, 2007 and April 1, 2006 (in thousands):

	Three Months Ended		Six Months Ended	
	March 31, 2007	April 1, 2006	March 31, 2007	April 1, 2006
Cost of sales	\$ 667	\$ 269	\$ 1,103	\$ 443
Research and development	739	599	1,299	1,218
Selling, general and administrative	2,349	2,648	4,844	5,537
Income tax expense (benefit)	(1,272)	1,039	(2,573)	(191)
	\$ 2,483	\$ 4,555	\$ 4,673	\$ 7,007

During the three and six months ended March 31, 2007, \$0.5 million and \$0.9 million, respectively, for all stock plans was capitalized into inventory, \$0.4 million and \$0.9 million, respectively, was amortized into cost of sales and \$0.5 million remained in inventory at March 31, 2007. During the three and six months ended April 1, 2006, \$0.5 million and \$0.9 million, respectively, for all stock plans was capitalized into inventory, \$0.1 million and \$0.4 million, respectively, was amortized into cost of sales and \$0.6 million remained in inventory at April 1, 2006. As required by SFAS 123(R), management made an estimate of expected forfeitures and is recognizing compensation costs only for those equity awards expected to vest.

At March 31, 2007, the total compensation cost related to unvested stock-based awards granted to employees under the Company's stock option plans but not yet recognized was approximately \$8.0 million, net of estimated forfeitures of \$0.6 million. This cost will be amortized on a straight-line basis over a weighted-average period of approximately 1.3 years and will be adjusted for subsequent changes in estimated forfeitures.

In accordance with SFAS 123(R), the cash flows resulting from excess tax benefits (tax benefits related to the excess of proceeds from employee's exercises of stock options over the stock-based compensation cost recognized for those options) are classified as financing cash flows. During the six months ended March 31, 2007 and April 1, 2006, we recorded less than \$0.1 million and \$0.3 million, respectively, of excess tax benefits as cash flows from financing activities.

During the quarter ended March 31, 2007, our Board of Directors approved an extension of the exercise period to December 31, 2007 for 210,088 fully vested stock options previously granted by the Company to employees. As a result, we recorded approximately \$0.5 million in compensation expense related to the stock option modification during the three and six months ended March 31, 2007.

Stock Options & Awards Activity

The following is a summary of option activity for our Stock Option Plans (in thousands, except per share amounts and remaining contractual term in years):

	Number of Shares	Weighted Average Exercise Price Per Share	Weighted Average Remaining Contractual Term in Years	Aggregate Intrinsic Value
Outstanding at October 1, 2006	3,823	\$ 29.15		
Granted	25	33.87		
Exercised	(52)	24.13		
Forfeitures	(69)	30.85		
Expirations	(135)	40.85		
Outstanding at March 31, 2007	3,592	\$ 28.80	2.9	\$ 12,927
Vested and expected to vest at March 31, 2007	3,560	\$ 28.77	2.9	\$ 12,912
Exercisable at March 31, 2007	2,788	\$ 27.83	2.3	\$ 12,202

The aggregate intrinsic value is calculated as the difference between the exercise price of the underlying awards and the quoted price of our common stock for the 2.2 million options that were in-the-money at March 31, 2007. There were no exercises of Company stock during the three months ended March 31, 2007, resulting in no intrinsic value realized during the period. During the three months ended April 1, 2006, the aggregate intrinsic value of options exercised under the Company's stock option plans was \$0.6 million, determined as of the date of option exercise. During the six months ended March 31, 2007 and April 1, 2006, the aggregate intrinsic value of options exercised under the Company's stock option plans was \$0.5 million and \$0.8 million, respectively, determined as of the date of option exercise.

The following table summarizes our restricted stock award activity for the six months ended March 31, 2007 (in thousands, except per share amounts):

Number of Shares	Weighted Average Grant Date Fair
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			Value
Nonvested stock at October 1, 2006	299	\$	33.06
Granted	8		32.23
Vested	(19)		33.20
Forfeited	(18)		33.32
Nonvested stock at March 31, 2007	270	\$	33.02

11. COMMITMENTS AND CONTINGENCIES

We are subject to legal claims and litigation arising in the ordinary course of business, such as employment or intellectual property claims, including, but not limited to, the matters described below. The outcome of any such matters is currently not determinable. Although we do not expect that such legal claims and litigation will ultimately have a material adverse effect on our consolidated financial position or results of operations, an adverse result in one or more matters could negatively affect our results in the period in which they occur.

Derivative Lawsuits Between February 15, 2007 and March 2, 2007, three purported shareholder derivative lawsuits were filed in the United States District Court for the Northern District of California against certain of Coherent's current and former officers and directors. Coherent is named as a nominal defendant. The complaints generally allege that the defendants breached their fiduciary duties and violated the securities laws in connection with the granting of stock options, the accounting treatment for such grants, and the issuance of allegedly misleading public statements and stock sales by certain of the individual defendants. On May 29, 2007, these lawsuits were consolidated under the caption *In re Coherent, Inc. Shareholder Derivative Litigation*, Lead Case No. C-07-0955-JF (N.D. Cal.). On June 25, 2007, plaintiffs filed an amended consolidated complaint. The consolidated complaint asserts causes of action for alleged violations of federal securities laws, violations of California securities laws, breaches of fiduciary duty and/or aiding and abetting breaches of fiduciary duty, abuse of control, gross mismanagement, constructive fraud, corporate waste, unjust enrichment, insider selling and misappropriation of information. The consolidated complaint seeks, among other relief, disgorgement and damages in an unspecified amount, an accounting, rescission of allegedly improper stock option grants, punitive damages and attorneys' fees and costs.

The Company's Board of Directors has appointed a Special Litigation Committee (SLC) comprised of independent director Sandeep Vij to investigate and evaluate the claims asserted in the derivative litigation and to determine what action(s) should be taken with respect to the derivative litigation. The SLC's investigation is ongoing.

Securities and Exchange Commission Inquiry In 2006, the Company was advised that the San Francisco District Office of the Securities and Exchange Commission was conducting an informal inquiry relating to the Company's past granting of stock options. The Company is cooperating fully with the inquiry.

Income Tax Audits The Internal Revenue Service (IRS) is conducting an audit of our 2003 and 2004 tax returns. The IRS has issued a number of Notices of Proposed Adjustments to these returns. Among other items, the IRS has challenged our research and development credits and our extraterritorial income (ETI) exclusion. We have agreed to the various adjustments proposed by the IRS and we believe that we have adequate reserves for these exposures and any other items identified by the IRS as a result of the audit of these tax years. As part of its audit of our 2003 and 2004 years, the IRS has requested information related to our stock option investigation and we will comply with this request and address any issues that are raised in a timely manner. The IRS has also indicated that it may consider an audit of our 2005 and 2006 tax returns.

The IRS is also auditing the research and development credits generated in the years 1999 through 2001 and carried forward to future tax years. We believe that we have adequate reserves for any adjustments that may be proposed by the IRS related to these credits.

The German tax authorities are conducting an audit of our subsidiary in Göttingen for the tax years 1999 through 2005. We believe that we have adequate reserves for any adjustments that may be proposed by the German tax authorities.

12. STOCKHOLDERS' EQUITY

In September 2005, our Board of Directors authorized a share repurchase program of up to 1.5 million shares of our common stock. Under the terms of the repurchase program, purchases may be made from time to time in both the open market and in private transactions, as conditions warrant. There were no repurchases during the first quarter of fiscal 2007. As of September 30, 2006, we had purchased and cancelled a total of 721,942 shares of our common stock for approximately \$22.3 million. The program was suspended during the first quarter of fiscal 2007 due to our internal stock option investigation and was terminated effective September 30, 2007.

13. ACCUMULATED OTHER COMPREHENSIVE INCOME (LOSS)

The components of comprehensive income (loss), net of income taxes, are as follows (in thousands):

	Three Months Ended		Six Months Ended	
	March 31, 2007	April 1, 2006	March 31, 2007	April 1, 2006
Net income	\$ 7,282	\$ 5,997	\$ 18,040	\$ 14,834
Other comprehensive income (loss):				
Translation adjustment	4,279	4,754	11,106	2,662
Net gain (loss) on derivative instruments, net of taxes	(27)	3	3	5
Changes in unrealized gains (losses) on available-for-sale securities, net of taxes	(30)	23	115	26
Other comprehensive income (loss), net of tax	4,222	4,780	11,224	2,693
Comprehensive income	\$ 11,504	\$ 10,777	\$ 29,264	\$ 17,527

The following summarizes activity in accumulated other comprehensive income (loss) related to derivatives, net of income taxes, held by us (in thousands):

Balance, October 1, 2005	\$ (114)
Changes in fair value of derivatives	
Net losses reclassified from OCI	5
Balance, April 1, 2006	\$ (109)
Balance, October 1, 2006	\$ (135)
Changes in fair value of derivatives	
Net losses reclassified from OCI	3
Balance, March 31, 2007	\$ (132)

Accumulated other comprehensive income (net of tax) at March 31, 2007 is comprised of accumulated translation adjustments of \$58.3 million, net loss on derivative instruments of \$0.1 million and unrealized loss on available-for-sale securities of \$0.2 million. Accumulated other comprehensive income (net of tax) at September 30, 2006 is comprised of accumulated translation adjustments of \$47.2 million, net loss on derivative instruments of \$0.1 million and unrealized loss on available-for-sale securities of \$0.4 million, respectively.

14. EARNINGS PER SHARE

Basic earnings per share is computed based on the weighted average number of shares outstanding during the period, excluding unvested restricted stock. Diluted earnings per share is computed based on the weighted average number of shares outstanding during the period increased by the effect of dilutive stock options, awards including restricted stock and stock purchase contracts using the treasury stock method.

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The following table presents information necessary to calculate basic and diluted earnings per common share (in thousands, except per share data):

	Three Months Ended		Six Months Ended	
	March 31, 2007	April 1, 2006	March 31, 2007	April 1, 2006
Weighted average shares outstanding (1)				
basic	31,417	30,754	31,378	30,939
Dilutive effect of employee stock plans	520	560	652	454
Weighted average shares outstanding diluted	31,937	31,314	32,030	31,393
Net income	\$ 7,282	\$ 5,997	\$ 18,040	\$ 14,834
Net income per basic share	\$ 0.23	\$ 0.19	\$ 0.57	\$ 0.48
Net income per diluted share	\$ 0.23	\$ 0.19	\$ 0.56	\$ 0.47

(1) Net of restricted stock

A total of 2,141,206 and 2,031,267 potentially dilutive securities have been excluded from the dilutive share calculation for the three months ended March 31, 2007 and April 1, 2006, respectively, as their effect was anti-dilutive. A total of 1,535,628 and 2,041,983 potentially dilutive securities have been excluded from the dilutive share calculation for the six months ended March 31, 2007 and April 1, 2006, respectively, as their effect was anti-dilutive.

In September 2004, the Emerging Issues Task Force (EITF) reached final consensus on EITF No. 04-8, The Effect of Contingently Convertible Instruments on Diluted Earnings per Share , that contingently convertible debt should be treated as convertible debt and included in the calculation of diluted EPS. The assumed proceeds under the treasury stock method were calculated by subtracting the aggregate weighted-average conversion price from the average market price of the shares related to the contingently convertible debt. As the market price for our shares did not reach the conversion price at any point during the quarter ended March 31, 2007, there was no dilutive effect from our \$200.0 million 2.75% convertible subordinated notes in our diluted EPS calculation under the treasury stock method. Therefore we did not include any shares related to the convertible subordinated notes, in accordance with the provisions of EITF No. 90-19, Convertible Bonds With Issuer Option to Settle in Cash Upon Conversion and SFAS No. 128, Earnings Per Share .

15. INCOME TAXES

The Company accounts for income taxes under the provisions of SFAS No. 109, Accounting for Income Taxes (SFAS 109). Under the provisions of SFAS 109, deferred tax assets and liabilities are recognized based on the differences between the financial statement carrying amounts of existing assets and liabilities and their respective tax bases, utilizing the tax rates that are expected to apply to taxable income in the years in which those temporary differences are expected to be recovered or settled.

Income tax expense includes a provision for federal, state and foreign taxes based on the annual estimated effective tax rate applicable to the Company and its subsidiaries. The Company's estimated effective tax rate for the three and six months ended March 31, 2007 was 36.6% and 27.4%, respectively. The difference between the statutory rate of 35% and the Company's effective tax rate for the three months ended March 31, 2007 was due primarily to permanent differences related to deemed dividend inclusions under the Subpart F tax rules, partially offset by the benefit of foreign tax credits and research and development tax credits. The difference between the statutory rate of 35% and the Company's effective tax rate for the six months ended March 31, 2007 was due primarily to the benefit of foreign tax credits and research and development tax credits, partially offset by permanent differences related to deemed dividend inclusions under the Subpart F tax rules.

Determining the consolidated provision for income tax expense, income tax liabilities and deferred tax assets and liabilities involves judgment. The Company calculates and provides for income taxes in each of the tax jurisdictions in which it operates, which involves estimating current tax exposures as well as making judgments regarding the recoverability of deferred tax assets in each jurisdiction. The estimates used could differ from actual results, which may have a significant impact on operating results in future periods.

In June 2006, the FASB issued Financial Interpretation No. (FIN) 48, Accounting for Uncertainty in Income Taxes, (FIN 48) which clarifies the accounting for uncertainty in income taxes recognized in an enterprise's financial statements in accordance with SFAS 109, Accounting for Income Taxes. FIN 48 prescribes a recognition threshold and measurement attribute for the financial statement recognition and measurement of a tax position taken or expected to be taken in a tax return. It also provides guidance on derecognition, classification, interest and penalties, accounting in interim periods, disclosure, and transition. In addition, in May 2007, the FASB issued FASB Staff Position No. FIN 48-1,

Definition of Settlement in FASB Interpretation No. 48, (FSP FIN 48-1) to amend FIN No. 48 by providing that previously unrecognized tax benefits can be recognized when the tax positions are effectively settled upon examination by a taxing authority. According to FSP FIN 48-1, an enterprise's tax position will be considered effectively settled if the taxing authority has completed its examination, the enterprise does not plan to appeal, and the possibility is remote that the taxing authority would reexamine the tax position in the future. The requirements of FIN 48 and FSP FIN 48-1 are effective for our fiscal year beginning September 30, 2007. As of the end of fiscal year 2007, we estimate that our tax

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contingencies could increase by approximately \$1 million to \$3 million as a result of the adoption of FIN 48 and FSP FIN 48-1. This amount would be an adjustment to our retained earnings for fiscal year beginning September 30, 2007.

16. SEGMENT INFORMATION

During the second quarter of fiscal 2007, we established a new organizational and reporting structure whereby our previously single reportable operating segment was separated into two operating segments: Commercial Lasers and Components (CLC) and Specialty Lasers and Systems (SLS). The new segmentation reflects the go-to-market strategies for various products and markets. While both segments work to deliver cost-effective photonics solutions, CLC focuses on higher volume products that are offered in set configurations. The product architectures are designed for easy exchange at the point of use such that product service and repairs are based upon advanced replacement and depot (i.e., factory) repair. CLC's primary markets include OEM components and instrumentation and materials processing. SLS develops and manufactures configurable, advanced-performance products largely serving the microelectronics and scientific research markets. The size and complexity of many of the SLS products require service to be performed at the customer site by factory-trained field service engineers.

We have identified CLC and SLS as operating segments for which discrete financial information was available. Both operating segments have engineering, marketing, product business management and product line management. Prior period financial information has been restated to conform to the current segment presentation. A small portion of our outside revenue is attributable to projects and recently developed products for which a segment has not yet been determined. The associated direct and indirect costs are presented in the category of Corporate and other, along with other corporate costs as described below.

Pursuant to SFAS 131, "Disclosures about Segments of an Enterprise and Related Information", our Chief Executive Officer has been identified as the chief operating decision maker (CODM) as he assesses the performance of the segments and decides how to allocate resources to the segments. Income (loss) from operations is the measure of profit and loss that our CODM uses to assess performance and make decisions. Income (loss) from operations represents the sales less the cost of sales and direct operating expenses incurred within the operating segments as well as allocated expenses such as shared sales and manufacturing costs. We do not allocate to our operating segments certain operating expenses, which we manage separately at the corporate level. These unallocated costs include stock-based compensation, corporate functions (certain research and development, management, finance, legal and human resources) and are included in the results below under Corporate and Other in the reconciliation of operating results. Management does not consider unallocated Corporate and Other costs in its measurement of segment performance.

	Three Months Ended		Six Months Ended	
	March 31, 2007	April 1, 2006	March 31, 2007	April 1, 2006
Net sales:				
Commercial Lasers and Components	\$ 69,720	\$ 66,841	\$ 136,947	\$ 125,268
Specialty Laser Systems	82,316	78,650	161,086	151,091
Corporate and other	80	497	1,592	623
Total net sales	\$ 152,116	\$ 145,988	\$ 299,625	\$ 276,982
Income (loss) from operations:				
Commercial Lasers and Components	\$ 7,096	\$ 6,496	\$ 15,865	\$ 10,299
Specialty Laser Systems	14,020	16,134	24,901	28,860
Corporate and other	(14,730)	(12,502)	(26,292)	(20,807)
Total income (loss) from operations	\$ 6,386	\$ 10,128	\$ 14,474	\$ 18,352

17. SUBSEQUENT EVENTS

In April 2007, we acquired Nuvonyx, Inc., a technology leader in high-power laser diode components, arrays, and industrial laser systems for materials processing and defense applications for approximately \$14.0 million in cash, net of acquisition costs of \$0.3 million. Nuvonyx

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produces high power arrays with powers in excess of 50 Kilowatts through its proprietary cooling and stacking technologies. The industrial laser systems are used for cladding and hardening of metals, joining materials, and other materials processing applications.

In September 2007, we sold substantially all of the net assets of our U.K. subsidiary, Coherent Imaging Optics Limited (CIOL), to CVI Laser (CVI) for \$6.5 million, resulting in an after-tax gain on the sale of \$0.8 million. In September 2007, we sold our Condensa building in Santa Clara, California for approximately \$24.8 million, resulting in a capital gain of approximately \$3.6 million. In September 2007, we also sold our Auburn campus in Auburn, California, for approximately \$9.8 million, resulting in a capital loss of approximately \$12.6 million.

On December 18, 2007, we announced that the Securities and Exchange Commission (SEC) notified us that it had denied our motion to stay a decision of The NASDAQ Stock Market LLC (Nasdaq), to suspend and delist our common stock. Therefore, effective at the opening of business on Wednesday, December 19, 2007, our common stock was suspended from trading on the Nasdaq Global Market, and was subsequently delisted. Following our delisting from the Nasdaq Global Market, we began trading on the Pink Sheet Electronic Quotation Service under the symbol, COHR.PK .

Item 2. MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS

COMPANY OVERVIEW

BUSINESS BACKGROUND

We are one of the world's leading suppliers of photonics-based solutions in a broad range of commercial and scientific research applications. We design, manufacture and market lasers, precision optics and related accessories for a diverse group of customers. Since inception in 1966, we have grown through internal expansion and through strategic acquisitions of complementary businesses, technologies, intellectual property, manufacturing processes and product offerings.

During the second quarter of fiscal 2007, we established a new organizational and reporting structure whereby our previously single reportable operating segment was separated into two operating segments: Commercial Lasers and Components (CLC) and Specialty Lasers and Systems (SLS). The new segmentation reflects the go-to-market strategies for various products and markets. While both segments work to deliver cost-effective photonics solutions, CLC focuses on higher volume products that are offered in set configurations. The product architectures are designed for easy exchange at the point of use such that product service and repairs are based upon advanced replacement and depot (i.e., factory) repair. CLC's primary markets include OEM components and instrumentation and materials processing. SLS develops and manufactures configurable, advanced-performance products largely serving the microelectronics and scientific research markets. The size and complexity of many of the SLS products require service to be performed at the customer site by factory-trained field service engineers. Prior period segment information has been restated to conform to the current presentation.

Income (loss) from operations is the measure of profit and loss that our CODM uses to assess performance and make decisions. Income (loss) from operations represents the sales less the cost of sales and direct operating expenses incurred within the operating segments as well as allocated expenses such as shared sales and manufacturing costs. We do not allocate to our operating segments certain operating expenses, which we manage separately at the corporate level. These unallocated costs include stock-based compensation, corporate functions (certain research and development, management, finance, legal and human resources) and are included in Corporate and Other. Management does not consider unallocated Corporate and Other costs in its measurement of segment performance.

OUR STRATEGY

We strive to develop innovative and proprietary products and solutions that meet the needs of our customers and that are based on our core expertise in lasers and optical technologies. In pursuit of our strategy, we intend to:

- **Leverage our technology portfolio and application engineering to lead the proliferation of photonics into broader markets** We will continue to identify opportunities in which our technology portfolio and application engineering can be used to offer innovative solutions and gain access to new markets.

- **Optimize our leadership position in existing markets** There are a number of markets where we have historically been at the forefront of technological development and product deployment and from which we have derived a substantial portion of our revenues. We plan to optimize our financial returns from these markets.
- **Maintain and develop additional strong collaborative customer and industry relationships** We believe that the Coherent brand name and reputation for product quality, technical performance and customer satisfaction will help us to further develop our loyal customer base. We plan to maintain our current customer relationships and develop new ones with customers who are industry leaders and work together with these customers to design and develop innovative product systems and solutions as they develop new technologies.
- **Develop and acquire new technologies and market share** We will continue to enhance our market position through our existing technologies and develop new technologies through our internal research and development efforts, as well as through the acquisition of additional complementary technologies, intellectual property, manufacturing processes and product offerings.
- **Focus on long-term improvement of adjusted EBITDA %** We define adjusted EBITDA % as earnings before interest, taxes, depreciation, amortization, stock compensation expenses and other non-operating income and expense items as a percent of net sales.

RESTATEMENT OF CONDENSED CONSOLIDATED FINANCIAL STATEMENTS

Background

As previously announced on November 1, 2006, a Special Committee was established by our Board of Directors to conduct an independent investigation relating to our historical stock option practices. We requested the independent review following an internal review of our historical stock option practices, which was a voluntary review initiated in light of news of the option practices of numerous companies across several industries. The Special Committee, comprised of three independent members of our Board of Directors, retained independent outside counsel and forensic accountants to assist in conducting the investigation. Together with its independent counsel, the Special Committee conducted an extensive review of historical stock option practices including all awards made by us between January 1, 1995 and September 30, 2006, (the Relevant Period) that included the review of over one million documents and interviews of over 30 current and former employees, directors and advisors.

On July 26, 2007, we announced that our management and the Special Committee, with the assistance of independent legal counsel and forensic accounting experts, had determined that incorrect measurement dates for a significant number of stock option awards during the Relevant Period were used.

On September 26, 2007, our Audit Committee, after consultation with management, determined that additional charges for stock-based compensation expense were required as a result of such incorrect measurement dates. As a result of the Special Committee's investigation and our management's subsequent reviews and analyses, options granted during the Relevant Period to purchase an aggregate of approximately 8,735,590 shares were determined to have incorrect measurement dates. We determined that the revised measurement dates for accounting purposes (Revised Measurement Dates) differed from the originally recorded measurement dates due primarily to a number of factors, including (1) delays in the final determination or approval of the awards, (2) retroactive selection of grant dates, (3) the absence of definitive documentation regarding approval, and (4) other process-related issues. These included annual grants to existing employees and officers and option grants made to new hires or to employees recently promoted.

The restated condensed consolidated financial statements for the periods ended April 1, 2006 contained in this quarterly report reflect corrections resulting from the reviews described above by the Special Committee and management, including the related payroll tax effects, as well as other reviews of other accounting matters by management. This restatement is more fully described in Note 3, Restatement of Condensed Consolidated Financial Statements, of Notes to Condensed Consolidated Financial Statements.

We have incurred substantial expenses related to our special investigation and subsequent internal investigation, which began in early fiscal 2007. In addition, we are the subject of several derivative actions filed against certain of our current and former directors and officers as well as an informal investigation launched by the staff of the SEC regarding our past stock option granting practices, as more fully described in Part II, Item 1, Legal Proceedings. We have incurred approximately \$11.7 million in pretax costs for outside legal counsel fees (including special counsel), external audit firm fees, audit committee fees, and external consulting fees in fiscal 2007 and expect to incur significant additional fees related to the stock option matters and financial statement restatements until we are current with all filings.

Restatement Adjustments

Our restated condensed consolidated financial statements for the three and six months ended April 1, 2006 incorporate adjustments to correct for errors in stock-based compensation expense, payroll tax expense and other accounting matters, including the income tax impacts related to the restatement adjustments and other tax errors (collectively, the restatement adjustments). The table below presents the decrease to net income for the first three and six months of fiscal 2006 of the individual restatement adjustments, which are explained in further detail following the table (in thousands, except per share data):

	Three Months Ended April 1, 2006	Six Months Ended April 1, 2006
Stock-based compensation		
Annual grants to employees	\$ (102)	\$ 326
Annual grants to officers	15	143
Non-annual grants to employees	(84)	6
Non-annual grants to officers		3
Total stock-based compensation expense	(171)	478
Payroll taxes, interest and penalties		
Total stock-based compensation adjustments	102	189
	(69)	667
Other miscellaneous accounting adjustments		
Correction of Lambda Physik purchase accounting	139	277
Correction of accounting for asset retirement obligations	66	135
Classification of unrealized foreign exchange losses on intercompany note	37	77
	242	489
Total adjustments to income before income taxes	173	1,156
Income tax expense	2,003	1,499
Total decrease to net income	\$ 2,176	\$ 2,655
Decrease in diluted earnings per share	\$ 0.07	\$ 0.09

Stock-Based Compensation Summary These adjustments are from management's determination, based upon the Special Committee's investigation and our subsequent reviews and analyses that the initially recorded measurement dates for various categories of option grants during the Relevant Period were incorrect. These categories were:

- *Annual grants to employees.* We determined that the appropriate measurement date for annual grants to employees was the date on which evidence indicates the allocation of the options to the individual employees was substantially complete, as further described below. As a result, annual grants for an aggregate of 4,749,940 shares through the first six months of fiscal 2006 were remeasured and accounted for as fixed awards under Accounting Principles Board Opinion (APB) No. 25, Accounting for Stock Issued to Employees, or APB 25, for periods prior to fiscal 2006 and under Statement of Financial Accounting Standards (SFAS) No. 123 (Revised 2004), Share-Based Payment (SFAS 123(R)), effective October 2, 2005 and thereafter, using the methodologies described below under Accounting Considerations Stock-Based Compensation.

- *Annual grants to officers.* For annual grants to officers during fiscal years 1995, 1996, 1997, 1999, 2000 and 2002, we adopted a methodology to remeasure these option grants to a revised measurement date, as described below under Accounting Considerations Stock-Based Compensation , and accounted for these grants as fixed awards under APB 25 or SFAS 123(R), as applicable. The grants represented options to purchase an aggregate of 1,251,500 shares through the first six months of fiscal 2006. For annual grants to officers during other fiscal years during the Relevant Period, management determined that the original measurement date was properly determined.

- *Non-annual grants to employees.* Non-annual grants to employees are initial grants to newly hired employees or incremental grants to existing employees upon their promotion. For non-annual grants to employees, we adopted a methodology to remeasure these option grants to a revised measurement date, as described below under Accounting Considerations Stock-Based Compensation , and accounted for these grants as fixed awards under APB 25 or SFAS 123(R), as applicable. The grants represented options to purchase an aggregate of 2,380,150 shares through the first six months of fiscal 2006.

- **Non-annual grants to officers.** Non-annual grants to officers are initial grants to newly hired officers or incremental grants upon an existing employee's promotion to an officer position. For non-annual grants to officers, we adopted a methodology to remeasure these option grants to a revised measurement date, as described below under **Accounting Considerations - Stock-Based Compensation**, and accounted for these grants, which represented options to purchase an aggregate of 351,500 shares through the first six months of fiscal 2006, as fixed awards under APB 25 or SFAS 123(R), as applicable.

Payroll taxes, interest and penalties In connection with the stock-based compensation charges included in the restatement, certain options previously classified as Incentive Stock Options (ISO) were determined to have been granted with an exercise price below the fair market value of our stock on the revised measurement date. Under U.S. tax regulations, ISOs may not be granted with an exercise price less than the fair market value on the date of grant, and therefore might not qualify for ISO tax treatment. We refer to these stock options as the **Affected ISOs**. The potential disqualification of ISO status exposes us to additional payroll related withholding taxes on the exercise of options granted to U.S. employees, and interest and penalties for failing to properly withhold taxes on the exercise of those options. Additionally, we recorded tax, interest, and penalty expenses with respect to certain options granted in the U.K. which were determined to have been granted with an exercise price below the fair market value of our common stock on the revised measurement date (**U.K. Options**). The tax, interest and penalty expenses were recorded in the periods in which the underlying stock options were exercised. Then, in periods in which the liabilities were legally extinguished due to statutes of limitations, the expenses were reversed and recognized as a reduction in the related functional expense in our consolidated statements of operations. The net U.S. and U.K. tax liabilities at March 31, 2007 for this potential disqualification of ISO tax treatment for the **Affected ISOs** and the **U.K. Options** totaled \$1.2 million.

Management and the Board are considering possible ways to address the impact that Section 409A of the Internal Revenue Code (IRC) may have as a result of the exercise price of stock options being less than the fair market value of our common stock on the revised measurement date. IRC Section 409A imposes significant additional taxes to our employees on stock options granted with an exercise price lower than the fair market value on the date of grant that vest after December 31, 2004. The Internal Revenue Service (IRS) has issued transition rules under IRC Section 409A that allows for a correction, or **cure**, for non-exercised, non-executive options subject to IRC Section 409A. We continue to evaluate the potential corrections or cures in light of the additional time relief granted by the IRS through December 2008.

Other miscellaneous accounting adjustments In addition to stock-based compensation related charges, we recorded adjustments to correct errors in the condensed consolidated financial statements for the fiscal 2006 periods that had not been previously reflected in our condensed consolidated financial statements. These restatements relate to the correction of errors in the purchase accounting related to our acquisition of a 39.62% interest in Lambda Physik in fiscal 2003, the failure to adopt the provisions of SFAS 143 and the correction of the classification of unrealized foreign exchange gains and losses related to an intercompany note.

Income tax benefit We reviewed the income tax effect of the stock-based compensation charges, and we believe that the proper income tax accounting for U.S. stock options under GAAP depends, in part, on the tax distinction of the stock options as either ISOs or non-qualified stock options (**NSOs**). Under U.S. tax regulations, ISOs may not be granted with an exercise price less than the fair market value on the date of grant. Because of the potential impact of the measurement date changes on the qualified status of **Affected ISOs**, we have determined that all **Affected ISOs** might

not be qualified ISOs under the tax regulations, and therefore should be accounted for as if they were NSOs for income tax accounting purposes. The Company recorded a tax benefit with respect to the Affected ISOs. To the extent an ISO was not disqualified through a same day sale or sold before fulfilling the holding period requirements related to the Affected ISOs, the recorded tax asset was written off to earnings when the statute of limitations for the year of exercise closed.

We have recorded a net income tax benefit of approximately \$3.0 million in connection with the stock-based compensation related expense during the period from fiscal year 1995 through April 1, 2006. The recognized tax benefit related to affected stock options granted to officers was limited due to the potential non-deductibility of the related expenses under IRC Section 162(m). This IRS rule limits the amount of executive compensation that may be deducted for U.S. tax purposes under certain circumstances. We did not record a tax benefit or deferred tax asset for affected stock options granted to non-U.S., non-U.K. and certain non-German employees because we determined that we could not receive tax benefits outside of the U.S., U.K. and Germany. The net tax benefit has resulted in an increase of our deferred tax assets for all U.S. and UK affected stock options and certain German affected stock options prior to the exercise or forfeiture of the related options. Upon exercise or cancellation of the underlying options, the excess or deficiency in deferred tax assets are written-off to either expense or additional paid-in capital in the period of exercise or cancellation.

Further, we have recorded additional restatements to income taxes to record the effect of errors identified in the accounting for income tax contingencies resulting from the misapplication of information available at the date of the misstatement as well as the tax effects of the other miscellaneous accounting adjustments.

Accounting Considerations Stock-Based Compensation

Prior to the adoption of SFAS 123(R) in fiscal 2006, we originally accounted for all employee, officer and director stock option grants as fixed grants under APB 25, using the recorded grant date as the measurement date. We issued all grants with an exercise price equal to the fair market value of our common stock on the recorded grant date, and therefore originally recorded no stock-based compensation expense.

The Special Committee concluded that the measurement dates for certain stock option grants differed from the recorded grant dates for such grants. As described in APB 25, the measurement date is the first date on which both the number of shares that an individual employee was entitled to receive and the exercise price are known with finality. Using the methodologies described below we revised the measurement dates for the indicated option grants during the Relevant Period, and we refer to these revised measurement dates as the Revised Measurement Dates. For periods prior to fiscal 2006, we calculated stock-based compensation expense under APB 25 based upon the intrinsic value as of the Revised Measurement Dates of stock option awards determined to be fixed awards under APB 25 and the vesting provisions of the underlying options through October 1, 2005. We calculated the intrinsic value on the Revised Measurement Date as the closing price of our common stock on such date as reported on the Nasdaq National Market, now the Nasdaq Global Market, less the exercise price per share of common stock as stated in the underlying stock option agreement, multiplied by the number of shares subject to such stock option award. We recognized these amounts as compensation expense on a straight-line basis over the vesting period of the underlying options. Effective October 2, 2005, we adopted the fair value recognition provisions of SFAS 123(R), requiring us to recognize expense related to the fair value of our stock-based compensation awards. Therefore, subsequent to fiscal 2005, we calculated stock-based compensation expense based upon the fair value as of the Revised Measurement Date in accordance with the provisions of SFAS 123(R).

The methodology we used to determine the Revised Measurement Dates associated with prior stock option grants was as follows:

Annual grants to employees For the majority of the annual grants to employees, the process of allocating stock option grants among individual employees continued beyond the recorded grant date. Based on available evidence, we have determined that the appropriate measurement date for annual grants to employees was the earliest date on which evidence indicates the allocation of the options to the individual employees was substantially complete. We defined substantially complete as the point at which evidence indicated that 96% or greater of the grant records had been determined with finality. Such determination was based on the earliest of the three following actions that could be verified with available evidence: (1) on evidence of a substantially complete listing of options allocated to individual employees, (2) on evidence of communication stating that the process was complete supported by records being added into our stock option database application prior to, on or within two days of such communication or (3) on evidence of dates that the employee records of the grants of the stock option were added to the stock option database application (the record added date), where evidence of a substantially complete listing of options allocated to individual employees was not available.

After the date on which substantially all granting activities were completed, there were an insignificant number of changes to option awards attributable to circumstances such as the effective cancellation of a grant because of an employee's termination, or additions due to administrative error corrections, promotion or individual performance reassessment. Where option awards were added subsequent to the date the allocation process was substantially complete, we have determined that each award was a separate grant with its own measurement date and that this subsequent addition was not indicative that the broader granting process for such annual awards had failed to be completed by the Revised Measurement Date. Measurement dates for individual awards which were not substantially complete by the Revised Measurement Date were determined based on the earlier of (1) the date the additions were communicated to the stock administrator for addition to the annual grant pool, (2) the record added date or (3) for periods prior to the implementation of the current stock administration system, the print date of the Notice of Grant.

Annual grants to officers For annual grants to officers during fiscal years 1995, 1996, 1997, 1999, 2000 and 2002, the grants were awarded between Board meeting dates and in certain cases between committee meeting dates, and there is a lack of evidence that the price and number of shares were determined with finality as of the recorded grant date.

Based on available evidence, we have determined that the appropriate measurement date for annual grants to officers was the date on which evidence indicates that both the shares awarded to the officers and the exercise price of those shares was known with finality. Such determination was based on the earliest date of the three following actions that could be verified with available evidence: (1) the date that the specific number of shares for each officer was approved for grant by the Board as evidenced by the minutes of the Board of Directors meeting, providing that the approval occurred prior to the submission of the applicable Form 3 or Form 4 to the Securities and Exchange Commission (SEC); (2) the record added date, providing that the record was added

prior to the submission of the applicable Form 3 or Form 4 to the SEC; or (3) the date of submission of the applicable Form 3 or Form 4 to the SEC.

Non-annual grants to employees Non-annual grants to employees are initial grants to newly hired employees or incremental grants to existing employees upon their promotion. For non-annual grants to employees prior to June 2003, our stated process was to select the grant date to be the Monday after the Human Resources department requested the award. On June 5, 2003, we strengthened our process to require the signature of the Executive Vice President of HR on all award requests with the grant date to be the Monday after receipt of such signature. Beginning on June 7, 2006, we changed our process to require three members of an equity grant committee, established by the Board and the Board's Compensation and H.R. Committee, to meet only on a fixed date once a month to consider any requested awards, with the award effective on such date or, in the event action was required by written consent, the action would be effective on the date the last consent signature was received.

Based on available evidence, we determined that the process was not consistently followed during the period from fiscal 1995 through June 4, 2003. As a result, we determined that the appropriate measurement date for non-annual employee grants during the period from fiscal 1995 through June 4, 2003 was the earliest date of the two following actions that could be verified with available evidence: (1) the record added date and (2) the date the specific grant was approved as evidenced by the minutes of a Board of Directors meeting.

For the period from June 5, 2003 through June 6, 2006, we determined that most of the measurement dates for non-annual grants to employees during this period followed the stated process and were appropriate. For two grants that we determined did not follow the process, we determined the appropriate measurement date based on the stated process.

For the period from June 7, 2006 through September 30, 2006, we determined that we followed the process consistently and that all of the measurement dates for non-annual grants to employees during this period were appropriate.

Non-annual grants to officers Non-annual grants to officers are initial grants to newly hired officers or incremental grants for existing employees upon their promotion to an officer position. For non-annual grants to officers, Board or Compensation and H.R. Committee approval was reflected in written actions. We determined that the original recorded grant dates lacked evidence supporting when such written actions were executed for ten of the twelve non-annual grants to officers during the period from fiscal 1995 through fiscal 2006.

Based on available evidence, we determined that the appropriate measurement date for each of the ten non-annual grants to officers was the earliest of the three following actions that could be verified with available evidence: (1) the date written actions reflecting approval by the Board or Compensation and H.R. Committee were executed; (2) the record added date, providing that the related notice of grant was printed by us prior to the submission of the applicable Form 3 or Form 4 to the SEC; and (3) the date the applicable Form 3 or Form 4 was submitted to the SEC.

Non-employee director automatic stock option grants Our 1990 and 1998 Directors' Option Plans provide for the automatic and non-discretionary grant of non-statutory stock options to our non-employee directors, such that the grants require no independent action of the Board of Directors. The 1998 Directors' Plan replaced the 1990 Directors' Plan which expired on December 8, 1999 and was approved by stockholders on March 17, 1999. From 1995 through March 27, 2003, under both Plans, each non-employee director was automatically granted a non-discretionary grant of a non-statutory stock option to purchase 20,000 shares of common stock upon appointment as a member of the Board, and each

non-employee director was granted a non-discretionary grant of a non-statutory stock option to purchase 5,000 shares of our common stock on the date of and immediately following each Annual Meeting of Stockholders. The 1998 Directors Plan was amended by the Stockholders on March 23, 2003 to increase the automatic non-discretionary grant of a non-statutory stock option to purchase shares of common stock upon appointment as a member of the Board from 20,000 to 30,000 shares (Initial Grant) and to increase the non-discretionary grant of a non-statutory stock option to purchase shares of our common stock on the date of each Annual Meeting of Stockholders from 5,000 shares to 12,000 shares (Subsequent Grant). The Plans provide that the exercise price shall be equal to the fair market value of the common stock on the date of the grant of the options. On March 30, 2006, the 1998 Directors Plan was further amended to reduce the Initial Grant from 30,000 to 24,000 shares and the Subsequent Grant from 12,000 to 6,000 shares. In addition, non-employee directors receive a RSU of 2,000 shares upon first joining the Board of Directors and an award of restricted stock units of 2,000 shares on each Annual Meeting of Stockholders where such director is reelected.

We have determined that, as a result of administrative errors, a total of five automatic grants representing initial options to purchase a total of 140,000 shares under the 1998 Directors Plan upon the appointment of five of our directors to the Board of Directors were documented as having been made on dates other than as set forth in the 1998 Directors Option Plan. We have

corrected the documentation of these grants to reflect the correct dates and exercise prices, as automatically established under the 1998 Directors Option Plan. Because these actions were corrections of administrative errors in the documentation, rather than changing any of the terms of the stock option grants as automatically granted, we determined that there was no accounting charge to be recognized in connection with these corrections, as the correct measurement date was the date of grant as automatically established by the 1998 Directors Option Plan, and the exercise price was the fair market value of our common stock on the correct measurement date.

Although we determined that there is no accounting charge resulting from the administrative correction, the administrative correction did result in an increase of the exercise price for each of the five grants. Four of such directors have expressly agreed to the correction to increase the exercise prices of certain of such grants to purchase 107,800 shares. The fifth director's option expired unexercised; therefore no such agreement was needed. Further, the three directors who exercised misdocumented grants have reimbursed us for the difference between the aggregate exercise price as misdocumented and as corrected, in the amounts of \$1,195, \$1,100 and \$1,272, respectively.

Related Proceedings

Between February 15, 2007 and March 2, 2007, three purported shareholder derivative lawsuits were filed in the United States District Court for the Northern District of California against certain of Coherent's current and former officers and directors. Coherent is named as a nominal defendant. The complaints generally allege that the defendants breached their fiduciary duties and violated the securities laws in connection with the granting of stock options, the accounting treatment for such grants, the issuance of allegedly misleading public statements and stock sales by certain of the individual defendants. On May 29, 2007, these lawsuits were consolidated under the caption *In re Coherent, Inc. Shareholder Derivative Litigation*, Lead Case No. C-07-0955-JF (N.D. Cal.). On June 25, 2007, plaintiffs filed an amended, consolidated complaint. The consolidated complaint asserts causes of action for alleged violations of federal securities laws, violations of California securities laws, breaches of fiduciary duty and/or aiding and abetting breaches of fiduciary duty, abuse of control, gross mismanagement, constructive fraud, corporate waste, unjust enrichment, insider selling and misappropriation of information. The consolidated complaint seeks, among other relief, disgorgement and damages in an unspecified amount, an accounting, rescission of allegedly improper stock option grants, punitive damages and attorneys' fees and costs.

Our Board of Directors has appointed a Special Litigation Committee (SLC) comprised of independent director Sandeep Vij to investigate and evaluate the claims asserted in the derivative litigation and to determine what action(s) should be taken with respect to the derivative litigation. The SLC's investigation is ongoing.

In 2006, we were advised that the San Francisco District Office of the SEC was conducting an informal inquiry relating to our past granting of stock options. We are cooperating fully with the inquiry.

APPLICATION OF CRITICAL ACCOUNTING POLICIES

Our discussion and analysis of financial condition and results of operations are based upon our consolidated financial statements, which have been prepared in accordance with accounting principles generally accepted in the United States of America and pursuant to the rules and regulations of the SEC. The preparation of these financial statements requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenues and expenses during the reporting period. We have identified the following as the items that require the most significant judgment and often involve complex estimation: revenue recognition, accounting for long-lived assets (including goodwill and intangible assets), inventory valuation, warranty reserves, stock-based compensation and accounting for income taxes.

Revenue Recognition

We recognize revenue when all four revenue recognition criteria have been met: persuasive evidence of an arrangement exists, the product has been delivered or the service has been rendered, the price is fixed or determinable and collection is probable. Revenue from product sales is recorded when all of the foregoing conditions are met and risk of loss and title passes to the customer. Our products typically include a one-year warranty and the estimated cost of product warranty claims (based on historical experience) is recorded at the time the sale is recognized. Sales to customers are generally not subject to any price protection or return rights.

The vast majority of our sales are made to original equipment manufacturers (OEMs), distributors, resellers and end-users in the non-scientific market. Sales made to these customers do not require installation of the products by us and are not subject to other post-delivery obligations, except in occasional instances where we have agreed to perform installation or provide training. In those

instances, we defer revenue related to installation services or training until these services have been rendered. We allocate revenue from multiple element arrangements to the various elements based upon relative fair values, which is determined based on the price charged for each deliverable on a standalone basis.

Should changes in conditions cause management to determine these criteria are not met for certain future transactions, revenue recognized for any reporting period could be adversely affected. Failure to obtain anticipated orders due to delays or cancellations of orders could have a material adverse effect on our revenue. In addition, pressures from customers to reduce our prices or to modify our existing sales terms may result in material harm to our revenue in future periods.

Our sales to distributors, resellers and end-user customers typically do not have customer acceptance provisions and only certain of our sales to OEM customers have customer acceptance provisions. Customer acceptance is generally limited to performance under our published product specifications. For the few product sales that have customer acceptance provisions because of higher than published specifications, (1) the products are tested and accepted by the customer at our site or by the customer's acceptance of the results of our testing program prior to shipment to the customer, or (2) the revenue is deferred until customer acceptance occurs.

Sales to end-users in the scientific market typically require installation and, thus, involve post-delivery obligations; however our post-delivery installation obligations are not essential to the functionality of our products. We defer revenue related to installation services until completion of these services.

For most products, training is not provided; therefore, no post-delivery training obligation exists. However, when training is provided to our customers, it is typically priced separately and recognized as revenue after these services have been provided.

Long-Lived Assets

We evaluate long-lived assets whenever events or changes in business circumstances or our planned use of assets indicate that their carrying amounts may not be fully recoverable or that their useful lives are no longer appropriate. Reviews are performed to determine whether the carrying values of assets are impaired based on comparison to either the discounted expected future cash flows (in the case of goodwill) or to the undiscounted expected future cash flows (for all other long-lived assets). If the comparison indicates that impairment exists, the impaired asset is written down to its fair value. Significant management judgment is required in the forecast of future operating results that are used in the preparation of expected discounted and undiscounted cash flows.

At March 31, 2007, we had \$109.6 million of goodwill and purchased intangible assets on our consolidated balance sheet. At March 31, 2007, we had \$149.6 million of property and equipment on our consolidated balance sheet. As no impairment indicators were present during the first six months of fiscal 2007 except for an indicator related to the Auburn facility, we believe these values remain recoverable. In the first six months of fiscal 2007, we evaluated the Auburn facility for potential impairment and determined that no impairment existed.

It is reasonably possible that the estimates of anticipated future net revenue, the remaining estimated economic life of the products and technologies, or both, could differ from those used to assess the recoverability of these assets. In that event, additional impairment charges or shortened useful lives of certain long-lived assets may be required.

Inventory Valuation

We record our inventory at the lower of cost (computed on a first-in, first-out basis) or market. We write-down our inventory to its estimated market value based on assumptions about future demand and market conditions. Inventory write-downs are generally recorded within guidelines set by management when the inventory for a device exceeds 12 months of its demand and when individual parts have been in inventory for greater than 12 months. If actual market conditions are less favorable than those projected by management, additional inventory write-downs may be required which could materially affect our future results of operations. Due to rapidly changing forecasts and orders, additional write-downs for excess or obsolete inventory, while not currently expected, could be required in the future. In the event that alternative future uses of fully written down inventories are identified, we may experience better than normal profit margins when such inventory is sold. Differences between actual results and previous estimates of excess and obsolete inventory could materially affect our future results of operations. We write-down our demo inventory by amortizing the cost of demo inventory over a twenty month period starting from the fourth month after such inventory is placed in service.

Warranty Reserves

We provide warranties on certain of our product sales (generally one year) and allowances for estimated warranty costs are recorded during the period of sale. The determination of such allowances requires us to make estimates of product return rates and expected costs to repair or replace the products under warranty. We currently establish warranty reserves based on historical warranty costs for each product line. If actual return rates and/or repair and replacement costs differ significantly from our estimates, adjustments to cost of sales may be required in future periods.

Stock-Based Compensation

Effective October 2, 2005, we adopted the fair value recognition provisions of SFAS 123(R), requiring us to recognize expense related to the fair value of our stock-based compensation awards. We elected to use the modified prospective transition method as permitted by SFAS 123(R). SFAS 123(R) requires the use of option pricing models that were not developed for use in valuing employee stock options. The Black-Scholes option-pricing model was developed for use in estimating the fair value of short-lived exchange traded options that have no vesting restrictions and are fully transferable. In addition, option-pricing models require the input of highly subjective assumptions, including the option's expected life and the expected price volatility of the underlying stock. The expected stock price volatility assumption was determined using a combination of historical volatility and market-based implied volatility.

Prior to October 2, 2005, our stock-based employee compensation plans were accounted for under the recognition and measurement provisions of Accounting Principles Board Opinion No. 25, Accounting for Stock Issued to Employees (APB 25). We had a restatement of our condensed consolidated financial statements as described in Restatement of Condensed Consolidated Financial Statements. See also the explanatory note in Part I of this Form 10-Q and Note 3, Restatement of Condensed Consolidated Financial Statements, of the Notes to Condensed Consolidated Financial Statements. In accordance with SFAS 123(R), as of October 1, 2005, previously recorded deferred compensation of \$3,699,000 has been eliminated with a corresponding reduction to additional paid-in capital.

Income Taxes

As part of the process of preparing our consolidated financial statements, we are required to estimate our income tax provision (benefit) in each of the jurisdictions in which we operate. This process involves us estimating our current income tax provision (benefit) together with assessing temporary differences resulting from differing treatment of items for tax and accounting purposes. These differences result in deferred tax assets and liabilities, which are included within our consolidated balance sheets.

We record a valuation allowance to reduce our deferred tax assets to an amount that more likely than not will be realized. While we have considered future taxable income and ongoing prudent and feasible tax planning strategies in assessing the need for the valuation allowance, in the event we were to determine that we would be able to realize our deferred tax assets in the future in excess of our net recorded amount, an adjustment to the allowance for the deferred tax asset would increase income in the period such determination was made. Likewise, should we determine that we would not be able to realize all or part of our net deferred tax asset in the future, an adjustment to the valuation allowance for the deferred tax asset would be charged to income in the period such determination was made.

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In addition, the calculation of tax liabilities involves significant judgment in estimating the impact of uncertainties in the application of complex tax laws. Resolution of these uncertainties in a manner inconsistent with our expectations could have a material impact on our results of operations and financial position.

and, therefore, we can not assure all bookings will be converted to net sales.

Second quarter bookings increased 3.8% and bookings for the six months ended March 31, 2007 increased 3.6% from the same periods one year ago. For both the quarter and six months, increases in the OEM components and instrumentation and materials processing markets were partially offset by decreases in the microelectronics, scientific and government programs and graphic arts and display markets.

Bookings in the OEM components and instrumentation market increased significantly primarily due to strong bioinstrumentation orders. Flow cytometry led the way with bookings for OPS, DPSS and laser diode module products from established and emerging accounts. We also received initial orders for integrated subsystems. Several other applications also contributed to the strong instrumentation bookings including confocal microscopy, DNA sequencing and medical imaging. In all cases, our Sapphire and Compass products were the desired solution. Bookings from medical OEMs rebounded significantly during the second quarter of fiscal 2007 for several reasons. The refractive surgery market recovered as the Chinese market overcame regulatory changes in the procurement cycle. We converted another account from an internal provider to the Existar platform. Finally, we are experiencing resurgence in CO₂-based skin resurfacing as the marketplace rediscovers the efficacy (i.e., fewer treatments) and faster recovery times versus fiber laser-based treatments. In addition, we received our first volume order for OPS lasers for ophthalmology.

Bookings in the materials processing market increased significantly from the same periods one year ago, with Asia leading the way on new orders. We experienced strong demand from several applications and multiple product lines. Our G and GEM Series CQ lasers and our Prisma and Matrix solid-state lasers did well in the marking market. GEM products also did well in the engraving space due to a key competitive win. The K-Series CQ lasers posted good numbers in the converting market where the higher power supports higher throughput. Additionally, the textile market contributed solid orders as customers build up capacity to support year-end demand. Our acquisition of St. Louis-based Nuvonyx in April 2007 will enable us to address the developing market for materials processing applications with direct diodes. This technology represents a simple, efficient and cost effective solution. This is possible since these applications are not as dependent on the characteristic which we refer to as the mode structure of the laser beam; traditional solid-state lasers or fiber lasers produce highly focusable beams that are too powerful in applications such as heat treating of metals, welding of plastics and brazing of metals. As a fully vertically integrated supplier we would clearly expect that direct diode solutions could have a substantial cost advantage over fiber lasers in these applications. This is an important consideration for markets that are influenced by total cost of ownership. Moreover, there are customer trials underway to expand their field of use to metal welding and given our capabilities in diode laser development, we hope to extend the serviceable arena to include this large market.

Microelectronics bookings decreased from the comparable prior year periods primarily due to weakness in the advanced packaging market as the via drilling market remains depressed as ample capacity is currently deployed. The laser direct imaging market is benefiting from higher throughputs afforded by new tool and laser enhancements. In particular, our 8W Paladin is helping expand tool throughput by enabling higher processing speeds. Flat panel display orders were sluggish as customer ramp-ups were slower than expected, some of which may be associated with customers bringing new manufacturing processes on-line that have not been completely debugged. Offsetting this sluggishness, there have been a number of OLED technology and product announcements recently from major CE players. Our LSX Series is used for annealing in many of them. Orders for semi cap applications increased from the first quarter of fiscal 2007. In particular, bookings for lasers used in inspection were solid, especially for 45nm node applications.

Bookings in the scientific and government programs market decreased, following an exceptionally strong first quarter of fiscal 2007. Several other factors impacted second quarter scientific bookings including the push out of certain orders due to funding delays as well as a mix shift in certain pump lasers. On a geographic basis, North America and Europe were lower following impressive performances in the preceding quarter. The Pacific Rim was essentially flat with the prior quarter

Bookings in the graphic arts and display market decreased primarily due to its transition to low cost diode laser solutions, an area in which we do not participate. During the quarter, we also received initial orders for our high power OPS lasers for use in lightshow applications.

Net Sales

Net sales include sales of lasers, precision optics, related accessories and service contracts. Net sales for the second fiscal quarter increased 4.3% in our CLC segment and increased 4.7% in our SLS segment from the same quarter one year ago. Net sales for the first six months of fiscal 2007 increased 9.3% in our CLC segment and 6.6% in our SLS segment from the same period one year ago. For a more complete description of the reasons for changes in net sales refer to the Results of Operations section of this quarterly report.

Gross Profit as a Percentage of Net Sales

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Gross profit as a percentage of net sales (gross profit percentage) is calculated as gross profit for the period divided by net sales for the period. Gross profit percentage in the second fiscal quarter increased from 40.4% to 42.8% in our CLC segment and decreased from 47.3% to 42.9% in our SLS segment from the same quarter one year ago. Gross profit percentage in the first six months of fiscal 2007 increased from 40.1% to 44.1% in our CLC segment and decreased from 46.6% to 41.1% in our SLS segment from the same period one year ago. For a more complete description of the reasons for changes in gross profit refer to the Results of Operations section of this quarterly report.

Research and Development as a Percentage of Net Sales

Research and development as a percentage of net sales (R&D percentage) is calculated as research and development expense for the period divided by net sales for the period. Management considers R&D percentage to be an important indicator in managing our business as investing in new technologies is a key to future growth. R&D percentage decreased to 12.4% from 13.1% in the second fiscal quarter and increased to 12.4% from 12.3% for the six months ended March 31, 2007 from the same periods one year ago, respectively. For a more complete description of the reasons for changes in R&D percentage refer to the Results of Operations section of this quarterly report.

Net Cash Provided by Operating Activities

Net cash provided by operating activities shown on our Condensed Consolidated Statements of Cash Flows primarily represents the excess of cash collected from billings to our customers and other receipts over cash paid to our vendors for expenses and inventory purchases to run our business. This amount represents cash generated by current operations to pay for equipment, technology, and other investing activities, to repay debt, fund acquisitions, repurchase our common stock and for other financing purposes. We believe this is an important performance indicator since cash generation over the long term is essential to maintaining a healthy business and providing funds to help fuel growth. We believe generating positive cash from operations is an indication that our products are achieving a high level of customer satisfaction and that we are appropriately monitoring our expenses, inventory levels and cash collection efforts. For a more complete description of the reasons for changes in Net Cash Provided by Operating Activities refer to the Liquidity and Capital Resources section of this quarterly report.

Days Sales Outstanding in Receivables

We calculate days sales outstanding (DSO) in receivables as net receivables at the end of the period divided by net sales during the period and then multiplied by the number of days in the period, using 90 days for quarters. DSO in receivables indicates how well we are managing our collection of receivables, with lower DSO in receivables resulting in more cash flow available. The more money we have tied up in receivables, the less money we have available for research and development, acquisitions, expansions, marketing and other activities to grow our business. Our DSO in receivables for the second quarter of fiscal 2007 increased 2.5 days from the same quarter one year ago primarily due to a higher concentration of sales later in the quarter and increased receivables in Asia, which typically have longer payment terms.

Days Sales Outstanding in Inventories

We calculate DSO in inventories as net inventories at the end of the period divided by net sales of the period and then multiplied by the number of days in the period, using 90 days for quarters. DSO in inventories indicates how well we are managing our inventory levels, with lower DSO in inventories resulting in more cash flow available. The more money we have tied up in inventory, the less money we have available for research and development, acquisitions, expansions, marketing and other activities to grow our business. Our DSO in inventories for the second quarter of fiscal 2007 increased 2.2 days from the same quarter one year ago primarily due to the impact of foreign exchange rates and due to higher levels of semiconductor inventories.

Capital Spending as a Percentage of Net Sales

Capital spending as a percentage of net sales (capital spending percentage) is calculated as capital expenditures for the period divided by net sales for the period. Capital spending percentage indicates the extent to which we are expanding or improving our operations, including investments in technology. Management monitors capital spending levels as this assists management in measuring our cash flows, net of capital expenditures. Our capital spending percentage increased to 4.9% and 4.2% for the second quarter and six months from 2.8% and 2.9%, respectively, for the same periods one year ago. The increase was primarily due to higher investments in information technology, manufacturing equipment and building improvements. We anticipate that capital spending for fiscal 2007 will be approximately 4% of net sales.

SIGNIFICANT EVENTS

In September 2005, our Board of Directors authorized a share repurchase program of up to 1.5 million shares of our common stock. Under the terms of the repurchase program, purchases could be made from time to time in both the open market and in private transactions, as conditions warrant. During fiscal 2006, we purchased and cancelled a total of 721,942 shares of our common stock for approximately \$22.3 million. The program was suspended during the first quarter of fiscal 2007 due to our internal stock option investigation and expired on September 30, 2007.

On February 21, 2006, we entered into a definitive agreement to acquire Excel Technology, Inc. (Excel), a manufacturer of photonics-based solutions, consisting of laser systems and electro-optical components, primarily for industrial, commercial, and scientific applications. The acquisition was to be an all-cash transaction at a price of \$30.00 per share of Excel common stock, for a total approximate offer value of \$376 million before fees and transaction costs. The completion of the acquisition was subject to customary closing conditions, including regulatory approvals. On October 25, 2006 we received a prohibition order from the German Federal Cartel Office (FCO) regarding our proposed acquisition. The acquisition had previously been approved by antitrust authorities in the United States. None of the multiple remedy proposals offered by Coherent to the FCO addressing the overlap in the low-power carbon-dioxide laser market were satisfactory to the FCO. On November 1, 2006, we received notice from Excel that it was terminating the merger agreement. As a result, our fourth quarter fiscal 2006 results included a pre-tax charge of \$5.9 million for

previously capitalized costs related to the proposed Excel acquisition. In addition, our results for the first quarter of fiscal 2007 include a pretax charge of \$0.3 million for additional costs incurred during the period related to the terminated merger agreement.

On March 10, 2006 we issued \$200.0 million of 2.75% convertible subordinated notes due March 2011. The notes were unsecured and subordinate to all existing and future senior debt. The notes were scheduled to mature on March 1, 2011, unless earlier redeemed or converted. Interest on the notes was payable in cash semi-annually in arrears on March 1 and September 1 of each year.

On December 15, 2006, we received a letter from U.S. Bank National Association (the trustee) for the holders of the outstanding principal amount of 2.75% convertible subordinated notes due 2011 stating that we had violated certain provisions in the Indenture dated March 13, 2006 (the Indenture) as a result of our failure to file our annual report for fiscal 2006 with the SEC. The indentures provided that such a default could be cured by making that filing with the SEC within 60 days after the receipt by us of the notice of default. The indentures also provided that such a default, if not cured by that date, would give certain holders and the trustee the right to accelerate the maturity of the notes. We did not cure the default within 60 days after the receipt by us of the notice of default. On August 17, 2007, as amended by an addendum delivered on August 20, 2007, we received a letter from the trustee under the Indenture declaring the principal amount and accrued and unpaid interest, plus additional interest under the notes, to be immediately due and payable pursuant to the Indenture due to our failure to file reports required to be filed with the SEC and delivered to the trustee under the Indenture and Sections 13 and 15(d) of the Securities Exchange Act of 1934, as amended. The aggregate amount due and payable under the notes including interest was \$202,984,067, which we paid on August 21, 2007.

In April 2007, we acquired Nuvonyx, Inc., a technology leader in high-power laser diode components, arrays, and industrial laser systems for materials processing and defense applications for approximately \$14.0 million in cash, net of acquisition costs of \$0.3 million. Nuvonyx produces high power arrays with powers in excess of 50 Kilowatts through its proprietary cooling and stacking technologies. The industrial laser systems are used for cladding and hardening of metals, joining materials, and other materials processing applications.

In September 2007, we sold substantially all of the net assets of our U. K. subsidiary, Coherent Imaging Optics Limited (CIOL), to CVI Laser (CVI) for \$6.5 million, resulting in an after-tax gain on the sale of \$0.8 million. In September 2007, we sold our Condensa building in Santa Clara, California for approximately \$24.8 million, resulting in a capital gain of approximately \$3.6 million in the fourth quarter of fiscal 2007. In September 2007, we also sold our Auburn campus in Auburn, California, for approximately \$9.8 million, resulting in a capital loss of approximately \$12.6 million in the fourth quarter of fiscal 2007.

On December 18, 2007, we announced that the Securities and Exchange Commission (SEC) notified us that it had denied our motion to stay the decision of the NASDAQ Stock Market LLC (Nasdaq), to suspend and delist our common stock. Therefore, effective at the opening of business on Wednesday, December 19, 2007, our common stock was suspended from trading on the Nasdaq Global Market, and was subsequently delisted. Following our delisting from the Nasdaq Global Market, we began trading on the Pink Sheet Electronic Quotation Service.

RESULTS OF OPERATIONS**CONSOLIDATED SUMMARY**

The following table sets forth, for the periods indicated, the percentage of total net sales represented by the line items reflected in our condensed consolidated statements of operations:

	Three Months Ended		Six Months Ended	
	March 31, 2007	April 1, 2006	March 31, 2007	April 1, 2006
Net sales	100.0%	100.0%	100.0%	100.0%
Cost of sales	57.6%	56.3%	57.8%	56.7%
Gross profit	42.4%	43.7%	42.2%	43.3%
Operating expenses:				
Research and development	12.4%	13.1%	12.4%	12.3%
In-process research and development	%	%	%	0.2%
Selling, general and administrative	24.4%	22.0%	23.6%	22.4%
Restructuring and other charges (recoveries)	0.1%	%	0.1%	%
Amortization of intangible assets	1.3%	1.7%	1.3%	1.8%
Total operating expenses	38.2%	36.8%	37.4%	36.7%
Income from operations	4.2%	6.9%	4.8%	6.6%
Other income (expense):				
Interest and dividend income	4.1%	1.9%	4.1%	1.7%
Interest expense	(1.3)%	(0.4)%	(1.2)%	(0.3)%
Other net	0.5%	%	0.6%	%
Total other income, net	3.3%	1.5%	3.5%	1.4%
Income before income taxes	7.5%	8.4%	8.3%	8.0%
Provision for income taxes	2.7%	4.3%	2.3%	2.6%
Net income	4.8%	4.1%	6.0%	5.4%

Net income for the second quarter of fiscal 2007 was \$7.3 million (\$0.23 per diluted share) including \$2.5 million of after-tax costs related to our internal stock option investigation and litigation. Second quarter fiscal 2007 results also included approximately \$2.6 million of after-tax stock-based compensation expense as required by SFAS 123(R). Net income for the second quarter of fiscal 2006 was \$6.0 million (\$0.19 per diluted share) including \$0.2 million after-tax in Excel Technology integration related costs. Second quarter fiscal 2006 results also included approximately \$4.6 million of after-tax stock-based compensation expense as required by SFAS 123(R). Net income for the first six months of fiscal 2007 was \$18.0 million (\$0.56 per diluted share) including \$3.6 million of after-tax costs related to our internal stock option investigation. Results for the first six months of fiscal 2007 also included approximately \$4.7 million of after-tax stock-based compensation expense as required by SFAS 123(R). Net income for the first six months of fiscal 2006 was \$14.8 million (\$0.47 per diluted share) including a one-time tax benefit of approximately \$1.8 million, an after-tax facility closure charge of \$0.4 million, an in-process research and development (IPR&D) charge of \$0.4 million after-tax associated with the purchase of the assets of Iolon during the first quarter of fiscal 2006 and \$0.2 million in after-tax Excel Technology integration related costs. Results for the first six months of fiscal 2006 also included approximately \$7.0 million of after-tax stock-based compensation expense as required by SFAS 123(R).

NET SALES**Market Application**

The following tables set forth, for the periods indicated, the amount of net sales and their relative percentages of total net sales by market application (dollars in thousands):

	Three Months Ended			
	March 31, 2007		April 1, 2006	
	Amount	Percentage of total net sales	Amount	Percentage of total net sales
Consolidated:				
Microelectronics	\$ 53,768	35.3%	\$ 55,245	37.9%
OEM components and instrumentation	36,835	24.2%	31,823	21.8%
Materials processing	25,192	16.6%	19,267	13.2%
Scientific and government programs	30,608	20.1%	28,810	19.7%
Graphic arts and display	5,713	3.8%	10,843	7.4%
Total	\$ 152,116	100.0%	\$ 145,988	100.0%

	Six Months Ended			
	March 31, 2007		April 1, 2006	
	Amount	Percentage of total net sales	Amount	Percentage of total net sales
Consolidated:				
Microelectronics	\$ 109,498	36.5%	\$ 97,813	35.3%
OEM components and instrumentation	71,027	23.7%	63,508	22.9%
Materials processing	44,566	14.9%	37,546	13.6%
Scientific and government programs	63,549	21.2%	58,486	21.1%
Graphic arts and display	10,985	3.7%	19,629	7.1%
Total	\$ 299,625	100.0%	\$ 276,982	100.0%

By market application, quarterly increases in the materials processing, OEM components and instrumentation and scientific and government programs markets were partially offset by decreases in the graphic arts and display and microelectronics markets. Year-to-date increases in the microelectronics, OEM components and instrumentation, materials processing, and scientific and government programs markets were partially offset by decreases in the graphic arts and display market.

Quarterly

The quarterly increase in the materials processing market of \$5.9 million, or 31%, was primarily due to higher commercial laser shipments for non-metal cutting and marking applications. OEM components and instrumentation sales increased \$5.0 million, or 16%, due primarily to increased bioinstrumentation sales. The increase in scientific and government program sales of \$1.8 million, or 6%, was due to higher demand

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for pumping, measuring and advanced research applications used by universities. Graphic arts and display market sales for the quarter decreased \$5.1 million, or 47%, primarily due to lower shipments of individually addressable semiconductor bar for reprographics applications. The decrease in the microelectronics market of \$1.5 million, or 3%, was primarily due to lower demand in via drilling applications.

Year-to-date

The increase in the microelectronics market of \$11.7 million, or 12%, during the first six months of fiscal 2007 was primarily due to higher sales in advanced packaging applications, including laser direct imaging and via drilling, and higher flat panel annealing sales. OEM components and instrumentation sales increased \$7.5 million, or 12%, due primarily to increased bioinstrumentation sales. The year-to-date increase in the materials processing market of \$7.0 million, or 19%, was primarily due to higher commercial laser shipments for marking applications. The increase in scientific and government program sales of \$5.1 million, or 9%, was due to higher demand for pumping, measuring and advanced research applications used by universities. Graphic arts and display market sales for the six months decreased \$8.6 million, or 44%, primarily due to lower shipments of individually addressable semiconductor bar for reprographics applications.

Although we continue to have a sizeable backlog of orders, current market conditions make it difficult to predict future orders.

Segments

The following tables set forth, for the periods indicated, the amount of net sales and their relative percentages of total net sales by segment (dollars in thousands):

	Three Months Ended			
	March 31, 2007		April 1, 2006	
	Amount	Percentage of total net sales	Amount	Percentage of total net sales
Consolidated:				
CLC	\$ 69,720	45.8%	\$ 66,841	45.8%
SLS	82,316	54.1%	78,650	53.9%
Others	80	0.1%	497	0.3%
Total	\$ 152,116	100.0%	\$ 145,988	100.0%

	Six Months Ended			
	March 31, 2007		April 1, 2006	
	Amount	Percentage of total net sales	Amount	Percentage of total net sales
Consolidated:				
CLC	\$ 136,947	45.7%	\$ 125,268	45.3%
SLS	161,086	53.8%	151,091	54.5%
Others	1,592	0.5%	623	0.2%
Total	\$ 299,625	100.0%	\$ 276,982	100.0%

Net sales for the second quarter of fiscal 2007 increased by \$6.1 million, or 4%, compared to the second quarter of fiscal 2006, with increases of \$2.9 million, or 4%, in our CLC segment and increases of \$3.7 million, or 5%, in our SLS segment. Net sales for the six months ended March 31, 2007 increased by \$22.6 million, or 8%, compared to the same period one year ago, with increases of \$11.7 million, or 9%, in our CLC segment and increases of \$10.0 million, or 7%, in our SLS segment

Quarterly

The quarterly increase in our CLC segment sales was primarily due to increased bioinstrumentation sales in the OEM components and instrumentation market, higher sales of imaging optics and higher service revenue. The quarterly increase in our SLS segment sales was primarily due to increased excimer shipments in the microelectronics and OEM components and instrumentation markets as well as higher scientific market sales, partially offset by decreases in the microelectronics market for via drilling applications and lower scientific applications sales to universities.

Year-to-date

The year-to-date increase in our CLC segment sales was primarily due to increased bioinstrumentation sales in the OEM components and instrumentation market, higher service revenue, higher sales for marking and cutting applications and higher thermal imaging sales. The year-to-date increase in our SLS segment sales was primarily due to increased excimer shipments in the OEM components and instrumentation and microelectronics markets as well as higher scientific market sales, partially offset by decreases in the microelectronics market for via drilling applications.

GROSS PROFIT

Consolidated

Our gross profit rate decreased to 42.4% from 43.7% in the second fiscal quarter and decreased to 42.2% from 43.3% for the six months ended March 31, 2007, compared to the same periods one year ago.

The second quarter 1.3% decrease in gross profit was primarily due to less favorable product mix and volume pricing (1.7%) and higher warranty and installation (1.0%) costs primarily associated with new products, partially offset by improved yields and scrap (1.2%), lower other direct costs (0.5%) and lower stock compensation expense under SFAS 123R (0.3%).

The gross profit decrease of 1.1% during the first six months of fiscal 2007 was primarily due to less favorable product mix (1.8%) and higher warranty and installation (0.9%) costs, partially offset by improved yields and scrap (1.6%) and lower other direct costs (0.1%).

CLC

The gross profit rate in our CLC segment increased to 42.8% from 40.4% in the second fiscal quarter and increased to 44.1% from 40.1% for the six months ended March 31, 2007, compared to the same periods one year ago.

The second quarter increase in our CLC segment was primarily due to improved yields and higher salvage recovery (3.6%) and lower other costs (1.2%) due to lower inventory provisions, partially offset by higher warranty costs (1.8%) and less favorable product mix (0.7%). The year-to-date increase in our CLC segment was primarily due to improved yields and higher salvage recovery (3.8%) and lower other costs (0.8%) due to lower inventory provisions, partially offset by higher warranty costs (0.9%).

SLS

The gross profit rate in our SLS segment decreased to 42.9% from 47.3% in the second fiscal quarter and decreased to 41.1% from 46.6% for the six months ended March 31, 2007, compared to the same periods one year ago.

The second quarter decrease in our SLS segment was primarily due to less favorable product mix (4.5%) within the microelectronics market, higher other costs (0.6%) due to higher inventory provisions and higher installation costs (0.5%) related to custom products, partially offset by lower rework costs (1.2%). The year-to-date decrease in our SLS segment was primarily due to less favorable product mix (3.7%), higher warranty and installation costs (1.0%) due to higher installations of custom systems and higher warranty costs associated with new products and higher other costs (0.6%) due to higher inventory provisions.

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Our gross profit rate has been and will continue to be affected by a variety of factors including market mix, manufacturing efficiencies, excess and obsolete inventory write-downs, warranty costs, pricing by competitors or suppliers, new product introductions, production volume, customization and reconfiguration of systems, commodity prices and foreign currency fluctuations.

OPERATING EXPENSES:

	Three Months Ended		April 1, 2006	
	March 31, 2007	Percentage of total net sales	Amount	Percentage of total net sales
	Amount		Amount	
	(As Restated)			
	(Dollars in thousands)			
Research and development	\$ 18,884	12.4%	\$ 19,196	13.1%
In-process research and development		%		%
Selling, general and administrative	37,139	24.4%	32,120	22.0%
Restructuring and other charges (recoveries)	111	0.1%	(90)	(0.0)%
Amortization of intangible assets	1,950	1.3%	2,474	1.7%
Total operating expenses	\$ 58,084	38.2%	\$ 53,700	36.8%

	Six Months Ended		April 1, 2006	
	March 31, 2007	Percentage of total net sales	Amount	Percentage of total net sales
	Amount		Amount	
	(As Restated)			
	(Dollars in thousands)			
Research and development	\$ 37,206	12.4%	\$ 33,944	12.3%
In-process research and development		%	690	0.2%
Selling, general and administrative	70,623	23.6%	62,008	22.4%
Restructuring and other charges (recoveries)	248	0.1%	(90)	%
Amortization of intangible assets	3,893	1.3%	4,918	1.8%
Total operating expenses	\$ 111,970	37.4%	\$ 101,470	36.7%

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Research and development (R&D) expenses decreased \$0.3 million, or 2%, during the fiscal quarter ended March 31, 2007 and increased \$3.3 million, or 10%, during the six months ended March 31, 2007 compared to the comparable periods one year ago. The second fiscal quarter decrease is primarily due to higher net reimbursements from customers for development projects (\$0.6 million) partially offset by lower other spending (\$0.3 million). The year-to-date increase is primarily due to \$1.7 million higher headcount related spending on projects and lower net reimbursements from customers for development projects (\$1.2 million). On a quarterly segment basis, CLC project spending increases of \$0.4 million were partially offset by \$0.1 million lower project spending in SLS. On a year-to-date segment basis, CLC project spending increased \$2.1 million and SLS project spending increased \$0.9 million.

The in-process research and development (IPR&D) charge recognized in the first quarter of fiscal 2006 resulted from our acquisition of Iolon.

Selling, general and administrative (SG&A) expenses increased \$5.0 million, or 16% during the second fiscal quarter of 2007 and increased \$8.6 million, or 14%, in the six months ended March 31, 2007 compared to the comparable periods one year ago. The second quarter increase is primarily due to \$4.4 million of costs related to our internal stock option investigation and \$0.6 million higher other spending. The year-to-date increase is primarily due to \$6.1 million of costs related to our internal stock option investigation, \$2.7 million higher headcount related spending and \$0.5 million higher other spending, partially offset by \$0.7 million lower stock-based compensation expense under SFAS 123(R). On a quarterly segment basis, SG&A expenses increased by \$0.9 million for CLC and \$0.6 million for the SLS segment due to higher costs of European distribution centers and increased headcount related spending and by \$3.5 million in corporate and other primarily due to \$4.4 million of costs related to our internal stock option investigation. On a year-to-date segment basis, SG&A expenses increased by \$1.8 million for CLC due to higher costs of European distribution centers and increased headcount related spending, decreased \$0.2 million for the SLS segment and increased \$7.0 million in corporate and other primarily due to \$6.1 million of costs related to our internal stock option investigation.

Restructuring and other charges (recoveries) increased \$0.2 million and \$0.3 million during the three and six months ended March 31, 2007, respectively, compared to the same prior year periods. The second quarter increase is due to a \$0.1 million write-off of Excel acquisition related costs and \$0.1 million in adjustments to the estimated contractual obligation for lease and other facility costs of a previously vacated building, net of estimated sublease income. The year-to-date increase is due to a \$0.4 million write-off of Excel acquisition related costs partially offset by \$0.1 million lower adjustment of the estimated contractual obligation for lease and other facility costs of a previously vacated building, net of estimated sublease income.

Amortization of intangible assets decreased \$0.5 million, or 21%, and \$1.0 million, or 21%, during the three and six months ended March 31, 2007, respectively, compared to the same prior year periods one year ago. The decreases were primarily due to lower amortization of intangibles related to our 2005 TuiLaser acquisition.

OTHER INCOME (EXPENSE)

Other income, net of other expense, increased \$2.9 million and \$6.7 million during the three and six months ended March 31, 2007 compared to the same periods one year ago. The second quarter increase was primarily due to higher interest income (\$3.5 million) as a result of higher cash, cash equivalents and short-term investment balances and higher returns, and lower foreign currency exchange net losses (\$1.2 million), partially offset by higher interest expense (\$1.2 million) primarily due to interest on the convertible subordinated notes and lower investment gains, net of expenses, associated with our deferred compensation plans (\$0.2 million). The year-to-date increase was primarily due to higher interest income (\$7.7 million) as a result of higher cash, cash equivalents and short-term investment balances and higher returns, lower foreign currency exchange net losses (\$1.6 million) and \$0.6 million higher investment gains, net of expenses, associated with our deferred compensation plans, partially offset by higher interest expense (\$2.8 million) primarily due to interest on the convertible subordinated notes.

INCOME TAXES

The effective tax rate on income before income taxes for the second quarter of fiscal 2007 of 36.6% was higher than the statutory rate of 35.0% primarily due to permanent differences related to deemed dividend inclusions under the Subpart F tax rules, partially offset by the benefit of foreign tax credits and research and development tax credits. The effective tax rate on income before income taxes for the six months ended March 31, 2007 of 27.4% was lower than the statutory rate of 35.0% primarily due to the benefit of foreign tax credits and research and development tax credits, partially offset by permanent differences related to deemed dividend inclusions under the Subpart F tax rules.

The effective tax rate on income before income taxes for the second quarter of fiscal 2006 of 51.2% was higher than the statutory rate of 35.0% primarily due to the write-off of deferred tax assets, partially offset by the increased use of export tax incentives and California research and development tax credits. The effective tax rate on income before income taxes for the six months ended April 1, 2006 of 32.5%, was lower than the statutory rate of 35.0% primarily due to increased use of export tax incentives and California research and development tax credits, as well as a benefit of \$1.8 million resulting from the consolidation of two wholly-owned subsidiaries in Japan, partially offset by the write-off of deferred tax assets. The income of one of the Japanese subsidiaries and a portion of the income of its German parent that were previously treated as permanently reinvested were deemed distributed to the United States and the income and associated tax credits of these entities were currently reported for U.S. tax purposes.

STOCK-BASED COMPENSATION

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Effective October 2, 2005, we adopted the fair value recognition provisions of SFAS 123(R), requiring us to recognize expense related to the fair value of our stock-based compensation awards. We elected to use the modified prospective transition method as permitted by SFAS 123(R). Under this transition method, stock-based compensation expense for fiscal 2006 includes compensation expense for all stock-based compensation awards granted prior to, but not yet vested as of October 1, 2005, based on the fair value at the applicable measurement date estimated in accordance with the original provisions of SFAS 123, as adjusted for estimated forfeitures. Stock-based compensation expense for all stock-based compensation awards granted subsequent to October 1, 2005 was based on the fair value at the applicable measurement date estimated in accordance with the provisions of SFAS 123(R).

Total pretax compensation cost for our option and ESPP plans in the second quarter of fiscal 2007 was \$2.1 million and \$0.5 million, respectively. Total pretax compensation cost for our option and ESPP plans in the six months ended March 31, 2007 was \$4.4 million and \$0.9 million, respectively. Total pretax compensation cost for our restricted stock plan and performance restricted stock plan in the second quarter of fiscal 2007 was \$0.4 million and less than \$0.1 million, respectively. Total pretax compensation cost for our restricted stock plan and performance restricted stock plan in the six months ended March 31, 2007 was \$0.9 million and \$0.3 million, respectively. Total pretax compensation cost for our option and ESPP plans in the second quarter of fiscal 2006 was \$2.9 million and \$0.3 million, respectively. Total pretax compensation cost for our option and ESPP plans in the six months ended April 1, 2006 was \$6.0 million and \$0.7 million, respectively. Total pretax compensation cost for our restricted stock plan in the second quarter of fiscal 2006 and the six months ended April 1, 2006 was \$0.2 million and \$0.5 million, respectively. During the second quarter of fiscal 2007, \$0.5 million for all stock plans was capitalized into inventory, \$0.4 million was amortized to cost of sales and \$0.5 million remained in inventory at March 31, 2007. At March 31, 2007, the total compensation cost related to unvested stock-based options and awards granted to employees under our stock option plans but not yet recognized was approximately \$8.0 million, net of estimated forfeitures of \$0.6 million. This cost will be amortized on a straight-line basis over a weighted-average period of approximately 1.3 years and will be adjusted for subsequent changes in estimated forfeitures. At March 31, 2007, there was no compensation cost related to options to purchase common shares under the ESPP but not yet recognized; \$0.5 million was written off in the second quarter of fiscal 2007 as the stock purchase plan was suspended and employee contributions made to date were returned while the Special Committee conducted a voluntary review of our historical stock option practices. We had 270,065 shares of restricted stock outstanding at March 31, 2007 and 299,044 restricted shares outstanding at September 30, 2006.

During the quarter ended March 31, 2007, our Board of Directors approved an extension of the exercise period to December 31, 2007 for 210,088 fully vested stock options previously granted by the Company to employees. As a result, we recorded approximately \$0.5 million in compensation expense related to the stock option modification during the three and six months ended March 31, 2007. During the quarter ended March 31, 2007, we recorded less than \$0.1 million in compensation expense for cash payments to former employees for options that were not able to be exercised due to the internal stock option investigation.

FINANCIAL CONDITION**LIQUIDITY AND CAPITAL RESOURCES****Sources and Uses of Cash**

Historically, our primary source of cash has been provided through operations. Other recent sources of cash include proceeds from our convertible subordinated note offering, proceeds received from the sale of stock through employee stock option and purchase plans, as well as through debt borrowings. Our historical uses of cash have primarily been for capital expenditures, acquisitions of businesses and technologies, payments of principal and interest on outstanding debt obligations and the repurchase of our common stock. Supplemental information pertaining to our historical sources and uses of cash is presented as follows and should be read in conjunction with our condensed consolidated statements of cash flows and the notes to condensed consolidated financial statements:

	Six Months Ended	
	March 31, 2007	April 1, 2006
	(As Restated)	
	(in thousands)	
Net cash provided by operating activities	\$ 39,936	\$ 33,079
Sales of shares under employee stock plans	3,784	6,947
Net proceeds from convertible subordinated notes		194,888
Repurchase of common stock		(22,250)
Capital expenditures	(12,523)	(8,127)
Acquisition of businesses, net of cash acquired		(5,114)
Net payments on debt borrowings	(4)	

Net cash provided by operating activities increased by \$6.9 million for the six months ended March 31, 2007 compared to the same period one year ago. The increase was primarily due to higher cash flows from accounts receivable resulting from sales growth and improved collections and higher cash flows from other current liabilities and income taxes payable partially offset by lower cash flows from prepaid expenses and inventories. We believe that cash provided by operating activities will be adequate to cover our working capital needs, debt service requirements and planned capital expenditures for at least the next 12 months to the extent such items are known or are reasonably determinable based on current business and market conditions. However, we may elect to finance certain of our capital expenditure requirements through borrowings under our bank credit facilities or other sources of capital. We continue to follow our strategy to further strengthen our financial position by using available cash flow to fund operations.

We intend to continue pursuing acquisition opportunities at valuations we believe are reasonable based upon market conditions. However, we cannot accurately predict the timing, size and success of our acquisition efforts or our associated potential capital commitments. Furthermore, we cannot assure you that we will be able to acquire businesses on terms acceptable to us. We expect to fund future acquisitions through unrestricted cash balances and cash flows from operations. If required, we will look for additional borrowings or consider the issuance of securities. The extent to which we will be willing or able to use our common stock to make acquisitions will depend on its market value at the time and the willingness of potential sellers to accept it as full or partial payment.

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Additional sources of cash available to us included a multi-currency line of credit and bank credit facilities totaling \$22.5 million as of March 31, 2007, of which \$22.4 million was unused and available. These credit facilities were used in Europe during the six months ended March 31, 2007.

Our ratio of current assets to current liabilities was 2.4:1 at March 31, 2007 compared to 6.0:1 at September 30, 2006. The decrease in our ratio from September 30, 2006 to March 31, 2007 is primarily due to the reclassification of our convertible subordinated notes from noncurrent to current at March 31, 2007 and higher other current liabilities partially offset by increases in cash, cash equivalents and short-term investments, prepaids and other assets and deferred tax assets. Our cash position, short-term investments, working capital and current debt obligations are as follows:

	March 31, 2007	September 30, 2006
	(in thousands)	
Cash and cash equivalents	\$ 411,867	\$ 445,231
Short-term investments	117,127	48,767
Working capital	482,910	630,817
Restricted cash, current	2,460	
Total current debt obligations	199,784	8

Current Debt Obligations and Restricted Cash

On March 10, 2006 we issued \$200.0 million of 2.75% convertible subordinated notes due March 2011. The notes were unsecured and subordinate to all existing and future senior debt. The notes were scheduled to mature on March 1, 2011, unless earlier redeemed or converted. Interest on the notes was payable in cash semi-annually in arrears on March 1 and September 1 of each year.

On December 15, 2006, we received a letter from U.S. Bank National Association (the trustee) for the holders of the outstanding principal amount of 2.75% convertible subordinated notes due 2011 stating that we had violated certain provisions in the Indenture dated March 13, 2006 (the Indenture) as a result of our failure to file our annual report for fiscal 2006 with the SEC. The indentures provided that such a default could be cured by making that filing with the SEC within 60 days after the receipt by us of the notice of default. The indentures also provided that such a default, if not cured by that date, would give certain holders and the trustee the right to accelerate the maturity of the notes. We did not cure the default within 60 days after the receipt by us of the notice of default. On August 17, 2007, as amended by an addendum delivered on August 20, 2007, we received a letter from the trustee under the Indenture declaring the principal amount and accrued and unpaid interest, plus additional interest under the notes, to be immediately due and payable pursuant to the Indenture due to our failure to file reports required to be filed with the SEC and delivered to the trustee under the Indenture and Sections 13 and 15(d) of the Securities Exchange Act of 1934. As a result of the violation, the convertible subordinated notes have been classified as current liabilities as of March 31, 2007. The aggregate amount due and payable under the notes including interest was \$202,984,067, which we paid on August 21, 2007.

As part of our tender offer to purchase the remaining outstanding shares of Lambda Physik, we were required by local regulations to have funds available for the offer in an account located in Germany. As of March 31, 2007, we had \$2.5 million restricted for remaining close out costs associated with our purchase of the remaining outstanding shares of Lambda Physik, which are included in current restricted cash on our consolidated balance sheets. As of September 30, 2006, we had \$2.5 million restricted for remaining close out costs associated with our purchase of the remaining outstanding shares of Lambda Physik, which are included in non-current restricted cash on our consolidated balance sheets. At March 31, 2007 and September 30, 2006, we also had \$1.3 million and \$1.2 million, respectively, in non-current restricted cash related to outstanding long-term debt at a subsidiary.

Contractual Obligations and Off-Balance Sheet Arrangements

We have no off-balance sheet arrangements as defined under Regulation S-K of the Securities Act of 1933. Information regarding our long-term debt payments, operating lease payments, obligations under SFAS 143, purchase commitments with suppliers and purchase obligations is provided in Item 7 Management's Discussion and Analysis of Financial Condition and Results of Operations of our Annual Report on Form 10-K for the fiscal year ended September 30, 2006. There have been no material changes in contractual obligations since September 30, 2006. Information regarding our other financial commitments at March 31, 2007 is provided in the notes to the condensed consolidated financial statements in this filing.

Changes in Financial Condition

Cash provided by operating activities during the six months ended March 31, 2007 was \$39.9 million, which included net income of \$18.0 million, depreciation and amortization of \$16.6 million, stock-based compensation expense of \$7.0 million and other items aggregating \$0.6 million, partially offset by increases in net deferred tax assets of \$2.3 million.

Cash used in investing activities during the six months ended March 31, 2007 was \$83.3 million, which included \$68.4 million, net, purchases of available-for-sale securities, \$12.5 million used to acquire property and equipment, invest in information technology and improve buildings and \$2.8 million premiums paid on life insurance in our deferred compensation plan, partially offset by \$0.2 million proceeds from dispositions of property and equipment and \$0.2 million other.

Cash provided by financing activities during the six months ended March 31, 2007 was \$5.1 million, which included \$3.8 million generated from our employee stock purchase and stock option plans, an increase in cash overdraft of \$0.9 million, \$0.3 million payments on stock notes receivable and \$0.1 million excess tax benefits from stock-based payment arrangements.

Changes in exchange rates during the six months ended March 31, 2007 provided \$5.0 million, primarily due to the strengthening of the Euro, partially offset by the weakening of the Japanese Yen, in relation to the U.S. dollar.

RECENT ACCOUNTING STANDARDS

In June 2006, the FASB issued Financial Interpretation No. (FIN) 48, Accounting for Uncertainty in Income Taxes, (FIN 48) which clarifies the accounting for uncertainty in income taxes recognized in an enterprise's financial statements in accordance with SFAS 109, Accounting for Income Taxes. FIN 48 prescribes a recognition threshold and measurement attribute for the financial statement recognition and measurement of a tax position taken or expected to be taken in a tax return. It also provides guidance on derecognition, classification, interest and penalties, accounting in interim periods, disclosure, and transition. In addition, in May 2007,

the FASB issued FASB Staff Position No. FIN 48-1, Definition of Settlement in FASB Interpretation No. 48, (FSP FIN 48-1) to amend FIN No. 48 by providing that previously unrecognized tax benefits can be recognized when the tax positions are effectively settled upon examination by a taxing authority. According to FSP FIN 48-1, an enterprise's tax position will be considered effectively settled if the taxing authority has completed its examination, the enterprise does not plan to appeal, and the possibility is remote that the taxing authority would reexamine the tax position in the future. The requirements of FIN 48 and FSP FIN 48-1 are effective for our fiscal year beginning September 30, 2007. As of the end of fiscal year 2007, we estimate that our tax contingencies could increase by approximately \$1 million to \$3 million as a result of the adoption of FIN 48 and FSP FIN 48-1. This amount would be an adjustment to our retained earnings for fiscal year beginning September 30, 2007.

In September 2006, the SEC issued Staff Accounting Bulletin 108 Considering the Effects of Prior Year Misstatements When Quantifying Misstatements in Current Year Financial Statements (SAB 108) addressing how the effects of the carryover or reversal of prior year misstatements should be considered in quantifying a current year misstatement. The SEC Staff believes that companies should quantify errors using both a balance sheet and an income statement approach and evaluate whether either of these approaches results in quantifying a misstatement that, when all relevant quantitative and qualitative factors are considered, is material. SAB 108 also describes the circumstances where it would be appropriate for a registrant to record a one-time cumulative effect adjustment to correct errors existing in prior years that previously had been considered immaterial as well as the required disclosures to investors. SAB 108 is effective for us for fiscal year 2007. We adopted SAB 108 on October 1, 2006 and our adoption did not have a material impact on our consolidated financial position and results of operations.

In February 2007, the FASB issued SFAS No. 159, The Fair Value Option for Financial Assets and Financial Liabilities (SFAS 159). SFAS 159 expands the use of fair value accounting but does not affect existing standards, which require assets or liabilities to be carried at fair value. Under SFAS 159, a company may elect to use fair value to measure certain financial assets and financial liabilities, on an instrument-by-instrument basis. If the fair value option is elected, unrealized gains and losses on existing items for which fair value has been elected are reported as a cumulative adjustment to beginning retained earnings. Subsequent to the adoption of SFAS 159, changes in fair value are recognized in earnings. SFAS 159 is effective for fiscal years beginning after November 15, 2007 with earlier adoption permitted. We have elected not to early adopt and are currently assessing the impact of SFAS 159 on our consolidated financial position and results of operations.

Item 3. QUANTITATIVE AND QUALITATIVE DISCLOSURES ABOUT MARKET RISK

Market risk disclosures

We are exposed to market risk related to changes in interest rates and foreign currency exchange rates. We do not use derivative financial instruments for speculative or trading purposes.

Interest rate sensitivity

A portion of our investment portfolio is composed of fixed income securities. These securities are subject to interest rate risk and will fall in value if market interest rates increase. If market interest rates were to increase immediately and uniformly by 10% from levels at March 31, 2007, the fair value of the portfolio, based on quoted market prices, would decline by an immaterial amount. We have the ability to generally hold our fixed income investments until maturity and therefore we would not expect our operating results or cash flows to be affected to any significant degree by the effect of a sudden change in market interest rates on our securities portfolio. If necessary, we may sell short-term investments prior to maturity to meet our liquidity needs.

At March 31, 2007, the fair value of our available-for-sale debt securities was \$117.1 million, all of which were classified as short-term investments. Gross unrealized gains and losses on available-for-sale debt securities were \$951,000 and (\$48,000), respectively, at March 31, 2007.

Interest rate fluctuations affect the fair market value of our 2.75% convertible subordinated notes, but, with respect to such fixed rate debt instruments, do not impact our earnings or cash flows.

Foreign currency exchange risk

We maintain operations in various countries outside of the United States and foreign subsidiaries that manufacture and sell our products in various global markets. A majority of our sales are transacted in U.S. dollars. However, we do generate revenues in other currencies, primarily the Euro and Yen. As a result, our earnings and cash flows are exposed to fluctuations in foreign currency exchange rates. We attempt to limit these exposures through financial market instruments. We utilize derivative instruments, primarily forward contracts with maturities of twelve months or less, to manage our exposure associated with anticipated cash flows and net asset and liability positions denominated in foreign currencies. Gains and losses on the forward contracts are mitigated by gains and losses on the underlying instruments. We do not use derivative financial instruments for trading purposes.

We do not anticipate any material adverse effect on our consolidated financial position, results of operations or cash flows resulting from the use of these instruments. There can be no assurance that these strategies will be effective or that transaction losses can be minimized or forecasted accurately.

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A hypothetical 10% appreciation of the forward adjusted U.S. dollar to March 31, 2007 market rates would decrease the unrealized value of our forward contracts by \$13.5 million. Conversely, a hypothetical 10% depreciation of the forward adjusted U.S. dollar to March 31, 2007 market rates would increase the unrealized value of our forward contracts by \$13.8 million.

The following table provides information about our foreign exchange forward contracts at March 31, 2007. The table presents the weighted average contractual foreign currency exchange rates, the value of the contracts in U.S. dollars at the contract exchange rate as of the contract maturity date and fair value. The U.S. notional fair value represents the contracted amount valued at March 31, 2007 rates.

Forward contracts to sell (buy) foreign currencies for U.S. dollars (in thousands, except contract rates):

	Average Contract Rate	U.S. Notional Contract Value	U.S. Notional Fair Value
Fair Value Hedges:			
Euro	1.3035	\$ (115,363)	\$ (118,286)
British Pound Sterling	1.9858	\$ 1,191	\$ 1,180
Japanese Yen	116.8068	\$ 18,745	\$ 18,620
Canadian Dollar	1.1122	\$ 180	\$ 174
Korean Won	942.0136	\$ 425	\$ 430

Item 4. CONTROLS AND PROCEDURES

Management's Evaluation of Disclosure Controls and Procedures

We have evaluated the effectiveness of the design and operation of our disclosure controls and procedures, as such term is defined in Rule 13a-15(e) under the Securities Exchange Act of 1934, as of March 31, 2007 (the Evaluation Date). This evaluation was performed under the supervision and with the participation of management, including our Chief Executive Officer and Chief Financial Officer. Based on this evaluation, our Chief Executive Officer and Chief Financial Officer concluded as of the Evaluation Date that our disclosure controls and procedures were not effective for the purpose for which they were designed as of the end of March 2007 because of the material weakness previously disclosed in our annual report on Form 10-K for the year ended September 30, 2006.

Material Weakness and Remedial Efforts

The aforementioned material weakness existed in the Company's internal control over financial reporting resulting from an operational deficiency in the review and evaluation of significant issues and positions within the Company's tax provision. This weakness resulted in incorrect accounting for tax issues and positions that resulted in errors in the recorded and disclosed tax amounts.

The Company has taken the following actions to address the material weakness in its tax function:

- During the second quarter of fiscal 2006, we retained new tax advisors and increased the level of involvement of external tax advisors to provide additional quality assurance;
- During the second quarter of fiscal 2006, we increased the level of review and discussion of significant tax matters and supporting documentation with senior finance management;
- During the third quarter of fiscal 2006, we initiated a review of all significant tax issues and positions;
- Additionally, in the second quarter of fiscal 2007, we further increased the use of special tax advisors to support compliance areas, tax accounting and reporting; and
- In the fourth quarter of fiscal 2007, the Company made staffing changes in the leadership of the tax department.

Changes in Internal Control Over Financial Reporting

During the quarter ended March 31, 2007, the Company engaged outside tax advisors to help in the preparation, documentation, and review of the annual tax provision. There were no other changes in our internal control over financial reporting that occurred during the period that materially affected, or is reasonably likely to materially affect, our internal control over financial reporting.

Inherent Limitations Over Internal Control

Internal control over financial reporting is a process designed to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with GAAP. Because of its inherent limitations, internal control over financial reporting may not prevent or detect misstatements. Also, projections of any evaluation of effectiveness to future periods are subject to the risk that controls may become inadequate because of changes in conditions, or that the degree of compliance with the policies or procedures may deteriorate. The Company's internal control over financial reporting is designed to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with GAAP. The Company's internal control over financial reporting includes those policies and procedures that:

(i) pertain to the maintenance of records that, in reasonable detail, accurately and fairly reflect the transactions and dispositions of the Company's assets;

(ii) provide reasonable assurance that transactions are recorded as necessary to permit preparation of financial statements in accordance with generally accepted accounting principles, and that the Company's receipts and expenditures are being made only in accordance with authorizations of the Company's management and directors; and

(iii) provide reasonable assurance regarding prevention or timely detection of unauthorized acquisition, use, or disposition of the Company's assets that could have a material effect on the financial statements.

Management, including the Company's Chief Executive Officer and Chief Financial Officer, does not expect that the Company's internal controls will prevent or detect all errors and all fraud. A control system, no matter how well designed and operated, can provide only reasonable, not absolute, assurance that the objectives of the control system are met. Further, the design of a control system must reflect the fact that there are resource constraints, and the benefits of controls must be considered relative to their costs. Because of the inherent limitations in all control systems, no evaluation of internal controls can provide absolute assurance that all control issues and instances of fraud, if any, have been detected. Also, any evaluation of the effectiveness of controls in future periods are subject to the risk that those internal controls may become inadequate because of changes in business conditions, or that the degree of compliance with the policies or procedures may deteriorate.

PART II. OTHER INFORMATION

ITEM 1. LEGAL PROCEEDINGS

We are subject to legal claims and litigation arising in the ordinary course of business, such as product liability, employment or intellectual property claims, including, but not limited to, the matters described below. The outcome of any such matters is currently not determinable. Although we do not expect that such legal claims and litigation will ultimately have a material adverse effect on our consolidated financial position or results of operations, an adverse result in one or more matters could negatively affect our results in the period in which they occur.

Derivative Lawsuits

Between February 15, 2007 and March 2, 2007, three purported shareholder derivative lawsuits were filed in the United States District Court for the Northern District of California against certain of our current and former officers and directors. We are named as a nominal defendant. The complaints generally allege that the defendants breached their fiduciary duties and violated the securities laws in connection with the granting of stock options, the accounting treatment for such grants, the issuance of allegedly misleading public statements and stock sales by certain of the individual defendants. On May 29, 2007, these lawsuits were consolidated under the caption *In re Coherent, Inc. Shareholder Derivative Litigation*, Lead Case No. C-07-0955-JF (N.D. Cal.). On June 25, 2007, plaintiffs filed an amended consolidated complaint. The consolidated complaint asserts causes of action for alleged violations of federal securities laws, violations of California securities laws, breaches of fiduciary duty and/or aiding and abetting breaches of fiduciary duty, abuse of control, gross mismanagement, constructive fraud, corporate waste, unjust enrichment, insider selling and misappropriation of information. The consolidated complaint seeks, among other relief, disgorgement and damages in an unspecified amount, an accounting, rescission of allegedly improper stock option grants, punitive damages and attorneys' fees and costs. To date, we have been paying the defense costs of the individual defendants.

In addition, our Board of Directors has appointed a Special Litigation Committee (SLC) comprised of independent director Sandeep Vij to investigate and evaluate the claims asserted in the derivative litigation and to determine what action(s) should be taken with respect to the derivative litigation. The SLC has retained legal counsel to assist it. The SLC's investigation is ongoing.

SEC Inquiry

In 2006, we were advised that the San Francisco District Office of the SEC is conducting an informal inquiry relating to our past granting of stock options. We are cooperating fully with the inquiry.

Income Tax Audits

The Internal Revenue Service (IRS) is conducting an audit of our 2003 and 2004 tax returns. The IRS has issued a number of Notices of Proposed Adjustments to these returns. Among other items, the IRS has challenged our research and development credits and our extraterritorial income (ETI) exclusion. We have agreed to the various adjustments proposed by the IRS and we believe that we have adequate reserves for

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these exposures and any other items identified by the IRS as a result of the audit of these tax years. As part of its audit of our 2003 and 2004 years, the IRS has requested information related to our stock option investigation and we will comply with this request and address any issues that are raised in a timely manner. The IRS has also indicated that it may consider an audit of our 2005 and 2006 tax returns.

The IRS is also auditing the research and development credits generated in the years 1999 through 2001 and carried forward to future tax years. We believe that we have adequate reserves for any adjustments that may be proposed by the IRS related to these credits.

The German tax authorities are conducting an audit of our subsidiary in Göttingen for the tax years 1999 through 2005. We believe that we have adequate reserves for any adjustments that may be proposed by the German tax authorities.

Other Matters

As previously disclosed, the Company's proposed acquisition of Excel Technology, Inc. was the subject of a prohibition decision issued by the German Federal Cartel Office (FCO) in October 2006. While the agreement under which the Company was to acquire Excel was terminated, the Company is currently appealing the FCO's prohibition order to the appellate court in Germany.

ITEM 1A. RISK FACTORS

BUSINESS ENVIRONMENT AND INDUSTRY TRENDS

Risks Associated with Our Industry, Our Business and Market Conditions

Our operating results, including net sales, and stock price have varied in the past, and our future operating results will continue to be subject to quarterly and annual fluctuations based upon numerous factors, including those listed in this section and throughout this annual report. Our stock price will continue to be subject to daily variations as well. In addition, our future operating results and stock price may not follow any past trends.

Our net sales and operating results may vary significantly from quarter to quarter and from year to year in the future. In particular we typically experience seasonality in our first fiscal quarter, resulting in lower net sales. We believe a number of factors, many of which are outside of our control, could cause these variations and make them difficult to predict, including:

- general economic uncertainties;
- fluctuations in demand for, and sales of, our products or prolonged downturns in the industries that we serve;
- ability of our suppliers, both internal and external, to produce and deliver components and parts, including sole or limited source components, in a timely manner, in the quantity and quality desired and at the prices we have budgeted;
- timing or cancellation of customer orders and shipment scheduling;
- fluctuations in our product mix;
- foreign currency fluctuations;
- commodity pricing, including increases in oil prices;
- introductions of new products and product enhancements by our competitors, entry of new competitors into our markets, pricing pressures and other competitive factors;
- our ability to develop, introduce, manufacture and ship new and enhanced products in a timely manner without defects;
- rate of market acceptance of our new products;
- delays or reductions in customer purchases of our products in anticipation of the introduction of new and enhanced products by us or our competitors;
- maintenance of supply relating to products to the government on terms which we would prefer not to accept;
- our ability to control expenses;

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- level of capital spending of our customers;
- potential obsolescence of our inventory;
- costs and timing of adhering to developing governmental regulations on our products and business;
- SEC investigations and stockholder litigation related to our recent internal investigation of our practices related to historical stock option grants and the related restatement of our consolidated financial statements;
- the suspension of trading and subsequent delisting of our stock from trading on Nasdaq;
- costs related to acquisitions of technology or businesses; and
- distraction of management related to acquisition or divestment activities and the SEC and stock exchange listing processes.

In addition, we often recognize a substantial portion of our sales in the last month of the quarter. Our expenses for any given quarter are typically based on expected sales and if sales are below expectations in any given quarter, the adverse impact of the shortfall on our operating results may be magnified by our inability to adjust spending quickly enough to compensate for the shortfall. We also base our manufacturing on our forecasted product mix for the quarter. If the actual product mix varies significantly from our forecast, we may not be able to fill some orders during that quarter, which would result in delays in the shipment of our products. Accordingly, variations in timing of sales, particularly for our higher priced, higher margin products, can cause significant fluctuations in quarterly operating results.

Due to these and other factors, we believe that quarter-to-quarter and year-to-year comparisons of our historical operating results may not be meaningful. You should not rely on our results for any quarter or year as an indication of our future performance. Our operating results in future quarters and years may be below public market analysts' or investors' expectations, which would likely cause the price of our stock to fall. In addition, over the past several years, the stock market has experienced extreme price and volume fluctuations that have affected the stock prices of many technology companies. There has not always been a direct correlation between this volatility and the performance of particular companies subject to these stock price fluctuations. These factors, as well as general economic and political conditions or investors' concerns regarding the credibility of corporate financial statements, may have a material adverse effect on the market price of our stock in the future.

We are exposed to risks associated with worldwide economic slowdowns and related uncertainties.

Concerns about consumer and investor confidence, volatile corporate profits and reduced capital spending, international conflicts, terrorist and military activity, civil unrest and pandemic illness could cause a slowdown in customer orders or cause customer order cancellations. In addition, political and social turmoil related to international conflicts and terrorist acts may put further pressure on economic conditions in the United States and abroad. Unstable political, social and economic conditions make it difficult for our customers, our suppliers and us to accurately forecast and plan future business activities. In particular, it is difficult to develop and implement strategy, sustainable business models and efficient operations, as well as effectively manage supply chain relationships in the face of such conditions. If such conditions persist, our business, financial condition and results of operations could suffer.

We depend on sole source or limited source suppliers for some of our key components and materials, including exotic materials and crystals, in our products, which make us susceptible to supply shortages or price fluctuations that could adversely affect our business.

We currently purchase several key components and materials used in the manufacture of our products from sole source or limited source suppliers, both internal and external. Some of these suppliers are relatively small private companies that may discontinue their operations at any time. We typically purchase our components and materials through purchase orders and we have no guaranteed supply arrangement with any of these suppliers. We may fail to obtain these supplies in a timely manner in the future. We may experience difficulty identifying alternative sources of supply for certain components used in our products. We would experience further delays while identifying, evaluating and testing the products of these potential alternative suppliers. Furthermore, financial or other difficulties faced by these suppliers or significant changes in demand for these components or materials could limit their availability. Any interruption or delay in the supply of any of these components or materials, or the inability to obtain these components and materials from alternate sources at acceptable prices and within a reasonable amount of time, would impair our ability to meet scheduled product deliveries to our customers and could cause customers to cancel orders.

We rely exclusively on our own production capability to manufacture certain strategic components, optics and optical systems, crystals, semiconductor lasers, lasers and laser-based systems. Because we manufacture, package and test these components, products and systems at our own facilities, and such components, products and systems are not readily available from other sources, any interruption in manufacturing would adversely affect our business. In addition, our failure to achieve adequate manufacturing yields of these items at our manufacturing facilities may materially and adversely affect our operating results and financial condition.

Our future success depends on our ability to increase our sales volumes and decrease our costs to offset anticipated declines in the average selling prices of our products and, if we are unable to realize greater sales volumes and lower costs, our operating results may suffer.

Our future success depends on the continued growth of the markets for lasers, laser systems, precision optics and related accessories, as well as our ability to identify, in advance, emerging markets for laser-based systems. We cannot assure you that we will be able to successfully identify, on a timely basis, new high-growth markets in the future. Moreover, we cannot assure you that new markets will develop for our products or our customers' products, or that our technology or pricing will enable such markets to develop. Future demand for our products is uncertain and will depend to a great degree on continued technological development and the introduction of new or enhanced products. If this does not continue, sales of our products may decline and our business will be harmed.

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We have historically been the industry's high quality supplier of laser systems. We have, in the past, experienced decreases in the average selling prices of some of our products. We anticipate that as competing products become more widely available, the average selling price of our products may decrease. If we are unable to offset the anticipated decrease in our average selling prices by increasing our sales volumes, our net sales will decline. In addition, to maintain our gross margins, we must continue to reduce the cost of manufacturing our products while maintaining their high quality. From time to time, our products, like many complex technological products, may fail in greater frequency than anticipated. This can lead to further charges, which can result in higher costs, lower gross margins and lower operating results. Furthermore, as average selling prices of our current products decline, we must develop and introduce new products and product enhancements with higher margins. If we cannot maintain our gross margins, our operating results could be seriously harmed, particularly if the average selling prices of our products decrease significantly.

Our future success depends on our ability to develop and successfully introduce new and enhanced products that meet the needs of our customers.

Our current products address a broad range of commercial and scientific research applications in the photonics markets. We cannot assure you that the market for these applications will continue to generate significant or consistent demand for our products. Demand for our products could be significantly diminished by disrupting technologies or products that replace them or render them obsolete. Furthermore, the new and enhanced products generally continue to be smaller in size and have lower average selling prices (ASPs), and therefore, we have to sell more units to maintain revenue levels.

Over the last three fiscal years, our research and development expenses have been in the range of 11% to 13% of net sales. Our future success depends on our ability to anticipate our customers' needs and develop products that address those needs. Introduction of new products and product enhancements will require that we effectively transfer production processes from research and development to manufacturing and coordinate our efforts with those of our suppliers to achieve volume production rapidly. If we fail to transfer production processes effectively, develop product enhancements or introduce new products in sufficient quantities to meet the needs of our customers as scheduled, our net sales may be reduced and our business may be harmed.

We face risks associated with our foreign sales that could harm our financial condition and results of operations.

For the three and six months ended March 31, 2007, 70% and 69% of our net sales, respectively, were derived from customers outside of the United States. For fiscal years 2006, 2005, and 2004, 68%, 65% and 61%, respectively, of our net sales were derived from customers outside of the United States. We anticipate that foreign sales will continue to account for a significant portion of our revenues in the foreseeable future. A global economic slowdown could have a negative effect on various foreign markets in which we operate. Such a slowdown may cause us to reduce our presence in certain countries, which may negatively affect the overall level of business in such countries. The majority of our foreign sales occur through our foreign sales subsidiaries and the remainder of our foreign sales result from exports to foreign distributors, resellers and customers. Our foreign operations and sales are subject to a number of risks, including:

- longer accounts receivable collection periods;
- the impact of recessions and other economic conditions in economies outside the United States;
- unexpected changes in regulatory requirements;
- certification requirements;
- environmental regulations;
- reduced protection for intellectual property rights in some countries;
- potentially adverse tax consequences;
- political and economic instability; and
- preference for locally produced products.

We are also subject to the risks of fluctuating foreign exchange rates, which could materially adversely affect the sales price of our products in foreign markets, as well as the costs and expenses of our foreign subsidiaries. While we use forward exchange contracts and other risk management techniques to hedge our foreign currency exposure, we remain exposed to the economic risks of foreign currency fluctuations.

We may not be able to protect our proprietary technology, which could adversely affect our competitive advantage.

Maintenance of intellectual property rights and the protection thereof is important to our business. We rely on a combination of patent, copyright, trademark and trade secret laws and restrictions on disclosure to protect our intellectual property rights. We cannot assure you that our patent applications will be approved, that any patents that may be issued will protect our intellectual property or that any issued patents will not be challenged by third parties. Other parties may independently develop similar or competing technology or design around any patents that may be issued to us. We cannot be certain that the steps we have taken will prevent the misappropriation of our intellectual property, particularly in foreign countries where the laws may not protect our proprietary rights as fully as in the United States.

We may, in the future, initiate claims or litigation against third parties for infringement of our proprietary rights to protect these rights or to determine the scope and validity of our proprietary rights or the proprietary rights of competitors. These claims could result in costly litigation and the diversion of our technical and management personnel. Adverse resolution of litigation may harm our operating results or financial condition.

In recent years, there has been significant litigation in the United States involving patents and other intellectual property rights. From time to time, like many other technology companies, we have received communications from other parties asserting the existence of patent rights, copyrights, trademark rights or other intellectual property rights which such third parties believe may cover certain of

our products, processes, technologies or information. In the future, we may be a party to litigation to protect our intellectual property or as a result of an alleged infringement of others' intellectual property. These claims and any resulting lawsuit, if successful, could subject us to significant liability for damages or invalidation of our proprietary rights. These lawsuits, regardless of their success, would likely be time-consuming and expensive to resolve and would divert management time and attention. Any potential intellectual property litigation could also force us to do one or more of the following:

- stop manufacturing, selling or using our products that use the infringed intellectual property;
- obtain from the owner of the infringed intellectual property right a license to sell or use the relevant technology, although such license may not be available on reasonable terms, or at all; or
- redesign the products that use the technology.

If we are forced to take any of these actions, our business may be seriously harmed. We do not have insurance to cover potential claims of this type.

We are exposed to lawsuits in the normal course of business which could have a material adverse effect on our business, operating results, or financial condition.

We are exposed to lawsuits in the normal course of our business, including product liability claims, if personal injury or death occurs from the use of our products. While we typically maintain customary levels of business insurance, including directors and officer's policies, litigation can be expensive, lengthy, and disruptive to normal business operations, including the potential impact of indemnification obligations for individuals named in any such lawsuits. We may not, however, be able to secure insurance coverage on terms acceptable to us in the future. Moreover, the results of complex legal proceedings are difficult to predict. An unfavorable resolution of a particular lawsuit, including a recall or redesign of products if ultimately determined to be defective, could have a material adverse effect on our business, operating results, or financial condition.

We depend on skilled personnel to operate our business effectively in a rapidly changing market, and if we are unable to retain existing or hire additional personnel when needed, our ability to develop and sell our products could be harmed.

Our ability to continue to attract and retain highly skilled personnel will be a critical factor in determining whether we will be successful in the future. Recruiting and retaining highly skilled personnel in certain functions continues to be difficult. At certain locations where we operate, the cost of living is extremely high and it may be difficult to retain key employees and management at a reasonable cost. We may not be successful in attracting, assimilating or retaining qualified personnel to fulfill our current or future needs. Our failure to attract additional employees and retain our existing employees could adversely affect our growth and our business.

Our future success depends upon the continued services of our executive officers and other key engineering, sales, marketing, manufacturing and support personnel, any of whom may leave, which could harm our business and our results of operations.

The long sales cycles for our products may cause us to incur significant expenses without offsetting revenues.

Customers often view the purchase of our products as a significant and strategic decision. As a result, customers typically expend significant effort in evaluating, testing and qualifying our products before making a decision to purchase them, resulting in a lengthy initial sales cycle. While our customers are evaluating our products and before they place an order with us, we may incur substantial sales and marketing and research and development expenses to customize our products to the customer's needs. We may also expend significant management efforts, increase manufacturing capacity and order long lead-time components or materials prior to receiving an order. Even after this evaluation process, a potential customer may not purchase our products. As a result, these long sales cycles may cause us to incur significant expenses without ever receiving revenue to offset such expenses.

The markets in which we sell our products are intensely competitive and increased competition could cause reduced sales levels, reduced gross margins or the loss of market share.

Competition in the various photonics markets in which we provide products is very intense. We compete against a number of large public and private companies, including Newport Corporation; Excel Technology, Inc.; JDS Uniphase Corporation; Rofin-Sinar Technologies, Inc.; Trumpf GmbH; IPG Photonics Corporation; and Cymer, Inc., as well as other smaller companies. Some of our competitors are large companies that have significant financial, technical, marketing and other resources. These competitors may be able to devote greater resources than we can to the development, promotion, sale and support of their products. Some of our competitors that have more cash reserves are much better positioned than we are to acquire other companies in order to gain new

technologies or products that may displace our product lines. Any of these acquisitions could give our competitors a strategic advantage. Any business combinations or mergers among our competitors, forming larger competitors with greater resources, could result in increased competition, price reductions, reduced margins or loss of market share, any of which could materially and adversely affect our business, results of operations and financial condition.

Additional competitors may enter the market and we are likely to compete with new companies in the future. We may encounter potential customers that, due to existing relationships with our competitors, are committed to the products offered by these competitors. As a result of the foregoing factors, we expect that competitive pressures may result in price reductions, reduced margins and loss of market share. For example, in markets where there are a limited number of customers, such as the microelectronics market, competition is particularly intense.

Some of our laser systems are complex in design and may contain defects that are not detected until deployed by our customers, which could increase our costs and reduce our revenues.

Laser systems are inherently complex in design and require ongoing regular maintenance. The manufacture of our lasers, laser products and systems involves a highly complex and precise process. As a result of the technological complexity of our products, changes in our or our suppliers' manufacturing processes or the inadvertent use of defective materials by us or our suppliers could result in a material adverse effect on our ability to achieve acceptable manufacturing yields and product reliability. To the extent that we do not achieve and maintain our projected yields or product reliability, our business, operating results, financial condition and customer relationships would be adversely affected. We provide warranties on certain of our product sales, and allowances for estimated warranty costs are recorded during the period of sale. The determination of such allowances requires us to make estimates of failure rates and expected costs to repair or replace the products under warranty. We currently establish warranty reserves based on historical warranty costs for each product line. If actual return rates and/or repair and replacement costs differ significantly from our estimates, adjustments to cost of sales may be required in future periods.

Our customers may discover defects in our products after the products have been fully deployed and operated under peak stress conditions. In addition, some of our products are combined with products from other vendors, which may contain defects. As a result, should problems occur, it may be difficult to identify the source of the problem. If we are unable to identify and fix defects or other problems, we could experience, among other things:

- loss of customers;
- increased costs of product returns and warranty expenses;
- damage to our brand reputation;
- failure to attract new customers or achieve market acceptance;
- diversion of development and engineering resources; and
- legal actions by our customers and/or their end users.

The occurrence of any one or more of the foregoing factors could seriously harm our business, financial condition and results of operations.

If we fail to accurately forecast component and material requirements for our products, we could incur additional costs and incur significant delays in shipments, which could result in loss of customers.

We use rolling forecasts based on anticipated product orders and material requirements planning systems to determine our product requirements. It is very important that we accurately predict both the demand for our products and the lead times required to obtain the necessary components and materials. We depend on our suppliers for most of our product components and materials. Lead times for components and materials that we order vary significantly and depend on factors including the specific supplier requirements, the size of the order, contract terms and current market demand for components. For substantial increases in our sales levels, some of our suppliers may need at least six months lead-time. If we overestimate our component and material requirements, we may have excess inventory, which would increase our costs. If we underestimate our component and material requirements, we may have inadequate inventory, which could interrupt and delay delivery of our products to our customers. Any of these occurrences would negatively impact our net sales, business or operating results.

Our increased reliance on contract manufacturing may adversely impact our financial results and operations.

Our manufacturing strategy includes partnering with contract manufacturers to outsource non-core subassemblies and less complex turnkey products, including some performed at international sites located in Asia and Eastern Europe. Our ability to resume internal manufacturing operations for certain products in a timely manner may be eliminated. The cost, quality, performance and availability of contract manufacturing operations are and will be essential to the successful production and sale of many of our products. The inability of any contract manufacturer to meet our cost, quality, performance and availability standards could adversely impact our financial condition or results of operations. We may not be able to provide contract manufacturers with product volumes that are high enough to achieve sufficient cost savings. If shipments fall below forecasted levels, we may incur increased costs or be required to take ownership of the inventory. Also, our ability to control the quality of products produced by contract manufacturers may be limited and quality issues may not be resolved in a timely manner, which could adversely impact our financial condition or results of operations.

If we fail to manage our growth effectively, our business could be disrupted, which could harm our operating results.

Our ability to successfully offer our products and implement our business plan in evolving markets requires an effective planning and management process. We continue to expand the scope of our operations domestically and internationally. The growth in sales, combined with the challenges of managing geographically-dispersed operations, has placed a significant strain on our management systems and resources, and our anticipated growth in future operations could continue to place such a strain. The failure to effectively manage our growth could disrupt our business and harm our operating results.

Any acquisitions we make could disrupt our business and harm our financial condition.

We have in the past made strategic acquisitions of other corporations and entities, including asset purchases, and we continue to evaluate potential strategic acquisitions of complementary companies, products and technologies. In the event of any future acquisitions, we could:

- issue stock that would dilute our current stockholders' percentage ownership;
- pay cash;
- incur debt;
- assume liabilities; or
- incur expenses related to in-process research and development, impairment of goodwill and amortization.

These purchases also involve numerous risks, including:

- problems combining the acquired operations, technologies or products;
- unanticipated costs or liabilities, including the costs associated with improving the internal controls of the acquired company;
- diversion of management's attention from our core businesses;
- adverse effects on existing business relationships with suppliers and customers;
- potential loss of key employees, particularly those of the purchased organizations; and
- the failure to complete acquisitions even after signing definitive agreements which, among other things, would result in the expensing of potentially significant professional fees and other charges in the period in which the acquisition or negotiations are terminated.

We cannot assure you that we will be able to successfully integrate any businesses, products, technologies or personnel that we might acquire in the future, which may harm our business.

We use standard laboratory and manufacturing materials that could be considered hazardous and we could be liable for any damage or liability resulting from accidental environmental contamination or injury.

Although most of our products do not incorporate hazardous or toxic materials and chemicals, some of the gases used in our excimer lasers and some of the liquid dyes used in some of our scientific laser products are highly toxic. In addition, our operations involve the use of standard laboratory and manufacturing materials that could be considered hazardous. Also, if a facility fire were to occur at our Tampere, Finland, site and were to spread to a reactor used to grow semiconductor wafers, it could release highly toxic emissions. We believe that our safety procedures for handling and disposing of such materials comply with all federal, state and offshore regulations and standards. However, the risk of accidental environmental contamination or injury from such materials cannot be entirely eliminated. In the event of such an accident involving such materials, we could be liable for damages and such liability could exceed the amount of our liability insurance coverage and the resources of our business.

Compliance or the failure to comply with current and future environmental regulations could cause us significant expense.

We are subject to a variety of federal, state, local and foreign environmental regulations relating to the use, storage, discharge and disposal of hazardous chemicals used during our manufacturing process or requiring design changes or recycling of products we manufacture. If we fail to comply with any present and future regulations, we could be subject to future liabilities, the suspension of production or a prohibition on the sale of products we manufacture. In addition, such regulations could restrict our ability to expand our facilities or could require us to acquire costly equipment, or to incur other significant expenses to comply with environmental regulations, including expenses associated with the recall of any non-compliant product and the management of historical waste.

From time to time new regulations are enacted, and it is difficult to anticipate how such regulations will be implemented and enforced. We continue to evaluate the necessary steps for compliance with regulations as they are enacted. These regulations include, for example, the Restriction on the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Directive (RoHS) and the Waste Electrical and Electronic Equipment Directive (WEEE) enacted in the European Union which regulate the use of certain hazardous substances in, and require the collection, reuse and recycling of waste from, certain products we manufacture. This and similar legislation that has been or is in the process of being enacted in Japan, China, Korea and various states of the United States may require us to re-design our products to ensure compliance with the applicable standards, for example by requiring the use of different types of materials. These re-designs or alternative materials may detrimentally impact the performance of our products, add greater testing lead-times for product introductions or have other similar effects. We believe we comply with all such legislation where our products are sold and we will continue to monitor these laws and the regulations being adopted under them to determine our responsibilities. In addition, we are monitoring legislation relating to the reduction of carbon emissions from industrial operations to determine whether we may be required to incur any additional material costs or expenses associated with our operations. We are not currently aware of any such material costs or expenses. Our failure to comply with any of the foregoing regulatory requirements or contractual obligations could result in our being directly or indirectly liable for costs, fines or penalties and third-party claims, and could jeopardize our ability to conduct business in the United States and foreign countries.

If our facilities were to experience catastrophic loss, our operations would be seriously harmed.

Our facilities could be subject to a catastrophic loss from fire, flood, earthquake or terrorist activity. A substantial portion of our research and development activities, manufacturing, our corporate headquarters and other critical business operations are located near major earthquake faults in Santa Clara, California, an area with a history of seismic events. Any such loss at any of our facilities could disrupt our operations, delay production, shipments and revenue and result in large expenses to repair or replace the facility. While we have obtained insurance to cover most potential losses, after reviewing the costs and limitations associated with earthquake insurance, we have decided not to procure such insurance. We believe that this decision is consistent with decisions reached by numerous other companies located nearby. We cannot assure you that our

existing insurance coverage will be adequate against all other possible losses.

Provisions of our charter documents, Delaware law, our Common Shares Rights Plan, and our Change-of-Control Severance Plan may have anti-takeover effects that could prevent or delay a change in control.

Provisions of our certificate of incorporation and bylaws may discourage, delay or prevent a merger or acquisition or make removal of incumbent directors or officers more difficult. These provisions may discourage takeover attempts and bids for our common stock at a premium over the market price. These provisions include:

- the ability of our board of directors to alter our bylaws without stockholder approval;
- limiting the ability of stockholders to call special meetings; and
- establishing advance notice requirements for nominations for election to our board of directors or for proposing matters that can be acted on by stockholders at stockholder meetings.

We are subject to Section 203 of the Delaware General Corporation Law, which prohibits a publicly held Delaware corporation from engaging in a merger, asset or stock sale or other transaction with an interested stockholder for a period of three years following the date such person became an interested stockholder, unless prior approval of our board of directors is obtained or as otherwise provided. These provisions of Delaware law also may discourage, delay or prevent someone from acquiring or merging with us without obtaining the prior approval of our board of directors, which may cause the market price of our common stock to decline. In addition, we have adopted a change of control severance plan, which provides for the payment of a cash severance benefit to each eligible employee based on the employee's position. If a change of control occurs, our successor or acquirer will be required to assume and agree to perform all of our obligations under the change of control severance plan.

Our common shares rights agreement permits the holders of rights to purchase shares of our common stock to exercise the stock purchase rights following an acquisition of or merger by us with another corporation or entity, following a sale of 50% or more of our consolidated assets or earning power, or the acquisition by an individual or entity of 20% or more of our common stock. Our successor or acquirer is required to assume all of our obligations and duties under the common shares rights agreement, including in certain circumstances the issuance of shares of its capital stock upon exercise of the stock purchase rights. The existence of our common shares rights agreement may have the effect of delaying, deferring or preventing a change of control and, as a consequence, may discourage potential acquirers from making tender offers for our shares.

Changes in tax rates, tax liabilities or tax accounting rules could affect future results.

As a global company, we are subject to taxation in the United States and various other countries and jurisdictions. Significant judgment is required to determine worldwide tax liabilities. Our future tax rates could be affected by changes in the composition of earnings in countries with differing tax rates, changes in the valuation of our deferred tax assets and liabilities, or changes in the tax laws. In addition, we are subject to regular examination of our income tax returns by the IRS and other tax authorities. We regularly assess the likelihood of favorable or unfavorable outcomes resulting from these examinations to determine the adequacy of our provision for income taxes. Although we believe our tax estimates are reasonable, there can be no assurance that any final determination will not be materially different than the treatment reflected in our historical income tax provisions and accruals, which could materially and adversely affect our operating results and financial condition.

Compliance with changing regulation of corporate governance and public disclosure may create uncertainty regarding compliance matters.

Federal securities laws, rules and regulations, as well as the rules and regulations of self-regulatory organizations such as Nasdaq and the NYSE, require companies to maintain extensive corporate governance measures, impose comprehensive reporting and disclosure requirements, set strict independence and financial expertise standards for audit and other committee members and impose civil and criminal penalties for companies and their chief executive officers, chief financial officers and directors for securities law violations. These laws, rules and regulations have increased and will continue to increase the scope, complexity and cost of our corporate governance, reporting and disclosure practices, which could harm our results of operations and divert management's attention from business operations. Changing laws, regulations and standards relating to corporate governance and public disclosure may create uncertainty regarding compliance matters. New or changed laws, regulations and standards are subject to varying interpretations in many cases. As a result, their application in practice may evolve over time. We are committed to maintaining high standards of ethics, corporate governance and public disclosure. Complying with evolving interpretations of new or changed legal requirements may cause us to incur higher costs as we revise current practices, policies and procedures, and may divert management time and attention from revenue generating to compliance activities. If our efforts to comply with new or changed laws, regulations and standards differ from the activities intended by regulatory or governing bodies due to ambiguities related to practice, our reputation may also be harmed.

Governmental regulations affecting the import or export of products could negatively affect our revenues.

The United States and various foreign governments have imposed controls, export license requirements and restrictions on the import or export of some technologies, especially encryption technology. In addition, from time to time, governmental agencies have proposed additional regulation of encryption technology, such as requiring the escrow and governmental recovery of private encryption keys. Governmental regulation of encryption technology and regulation of imports or exports, or our failure to obtain required import or export approval for our products, could harm our international and domestic sales and adversely affect our revenues.

We may experience difficulties with our enterprise resource planning (ERP) system and other IT systems. System failure or malfunctioning may result in disruption of operations and the inability to process transactions, and this could adversely affect our ability to timely or accurately provide our financial results.

System failure or malfunctioning could disrupt our ability to timely and accurately process and report key components of our results of operations, financial position and cash flows. Any disruptions or difficulties that may occur in connection with our ERP system or other systems could also adversely affect our ability to complete important business processes such as the evaluation of our internal controls and attestation activities pursuant to Section 404 of the Sarbanes-Oxley Act of 2002. If we encounter unforeseen problems with regard to our ERP system or other systems, our business and resulting financial reporting could be adversely affected.

Our market is unpredictable and characterized by rapid technological changes and evolving standards, and, if we fail to address changing market conditions, our business and operating results will be harmed.

The photonics industry is characterized by extensive research and development, rapid technological change, frequent new product introductions, changes in customer requirements and evolving industry standards. Because this market is subject to rapid change, it is difficult to predict its potential size or future growth rate. Our success in generating revenues in this market will depend on, among other things:

- maintaining and enhancing our relationships with our customers;
- the education of potential end-user customers about the benefits of lasers, laser systems and precision optics;
and
- our ability to accurately predict and develop our products to meet industry standards.

For the three and six months ended March 31, 2007, our research and development costs were \$18.9 million (12.4% of net sales) and \$37.2 million (12.4% of net sales), respectively. For our fiscal years 2006, 2005 and 2004, our research and development costs were \$73.1 million (12.5% of net sales), \$57.4 million (11.1% of net sales) and \$62.1 million (12.6% of net sales), respectively. We cannot assure you that our expenditures for research and development will result in the introduction of new products or, if such products are introduced, that those products will achieve sufficient market acceptance. Our failure to address rapid technological changes in our markets could adversely affect our business and results of operations.

Continued volatility in the semiconductor manufacturing industry could adversely affect our business, financial condition and results of operations.

Our net sales depend in part on the demand for our products by semiconductor equipment companies. The semiconductor market has historically been characterized by sudden and severe cyclical variations in product supply and demand, which have often severely affected the demand for semiconductor manufacturing equipment, including laser-based tools and systems. The timing, severity and duration of these market cycles are difficult to predict, and we may not be able to respond effectively to these cycles. The continuing uncertainty in this market severely limits our ability to predict our business prospects or financial results in this market.

During industry downturns, our revenues from this market may decline suddenly and significantly. Our ability to rapidly and effectively reduce our cost structure in response to such downturns is limited by the fixed nature of many of our expenses in the near term and by our need to continue our investment in next-generation product technology and to support and service our products. In addition, due to the relatively long manufacturing lead times for some of the systems and subsystems we sell to this market, we may incur expenditures or purchase raw materials or components for products we cannot sell. Accordingly, downturns in the semiconductor capital equipment market may materially harm our operating results. Conversely, when upturns in this market occur, we must be able to rapidly and effectively increase our manufacturing capacity to meet increases in customer demand that may be extremely rapid, and if we fail to do so we may lose business to our competitors and our relationships with our customers may be harmed.

Matters related to our voluntary review of our historical stock option granting practices and the restatement of our financial statements may result in additional litigation, regulatory proceedings and government enforcement actions.

Our historical stock option granting practices and the restatement of our financial statements have exposed us to greater risks associated with litigation, regulatory proceedings and government enforcement actions. For more information regarding our current litigation and related inquiries, please see Part II, Item 1 Legal Proceedings as well as the other risk factors related to litigation set forth in this section. We have provided the results of our internal review to the Securities and Exchange Commission (SEC), and in that regard we have responded to informal requests from the SEC. We intend to continue to cooperate with the SEC. No assurance can be given regarding the outcomes from litigation, regulatory proceedings or any applicable government enforcement actions relating to our past stock option practices which may arise. The resolution of these matters may be time consuming, expensive, and may distract management from the conduct of our business. Furthermore, if we are subject to adverse findings in litigation, regulatory proceedings or government enforcement actions, we could be required to pay damages or penalties or have other remedies imposed, which could harm our business, financial condition, results of operations and cash flows.

In addition, while we believe that we have made appropriate judgments in determining the correct measurement dates for our stock option grants and the disclosures related thereto, in reviewing this quarterly report on Form 10-Q, the SEC may make further inquiry with regards to the manner in which we accounted for and reported, or not reported, the corresponding financial impact. Accordingly, there is a risk that we may have to further revise the disclosures herein or to further restate our prior financial statements, amend prior filings with the SEC, or take other actions not currently contemplated.

On December 18, 2007, we announced that the Securities and Exchange Commission (SEC) notified us that it had denied our motion to stay the decision of the Board of Directors of The NASDAQ Stock Market LLC (Nasdaq), to suspend and delist our common stock. Therefore, effective at the opening of business on Wednesday, December 19, 2007, our common stock was suspended from trading on the Nasdaq Global Market, and was subsequently delisted. Following our delisting from the Nasdaq Global Market, we began trading on the Pink Sheet Electronic Quotation Service.

The trading of our common stock over the counter may negatively impact the trading price of our common stock and the levels of liquidity available to our stockholders. In addition, the trading of our common stock over the counter will materially adversely affect our access to the capital markets and our ability to raise capital through alternative financing sources on terms acceptable to us or at all. Securities that trade over the counter are no longer eligible for margin loans, and a company trading over the counter cannot avail itself of federal preemption of state securities or blue sky laws, which adds substantial compliance costs to securities issuances, including pursuant to employee option plans, stock purchase plans and private or public offerings of securities. There may also be other negative implications from trading over the counter, including the potential loss of confidence by suppliers, customers and employees and the loss of institutional investor interest in our company.

We have been named as a nominal party to a consolidated shareholder derivative lawsuit relating to our historical stock option practices, and we may be named in additional lawsuits in the future. In addition, a number of our current and former directors and officers were also named in this lawsuit. This litigation could become time consuming and expensive and could result in the payment of significant judgments and settlements, which could have a material adverse effect on our financial condition and results of operations.

In connection with our historical stock option practices and resulting restatement, three derivative actions were filed against certain of our current and former directors and officers purporting to assert claims on the Company's behalf, which were consolidated into a single action. Please see Part II, Item 1 Legal Proceedings. There may be additional lawsuits of this nature filed in the future. We cannot predict the outcome of these lawsuits, nor can we predict the amount of time and expense that will be required to resolve these lawsuits. If these lawsuits become time consuming and expensive, or if there are unfavorable outcomes in any of these cases, there could be a material adverse effect on our business, financial condition and results of operations.

Our insurance coverage will not cover our total liabilities and expenses in these lawsuits, in part because we have a significant deductible on certain aspects of the coverage. In addition, subject to certain limitations, we are obligated to indemnify our current and former directors, officers and employees in connection with the investigation of our historical stock option practices and the related litigation and ongoing government inquiry. We currently hold insurance policies for the benefit of our directors and officers, although our insurance coverage may not be sufficient in some or all of these matters. Furthermore, the insurers may seek to deny or limit coverage in some or all of these matters, in which case we may have to self-fund all or a substantial portion of our indemnification obligations.

We are subject to the risks of additional government actions, shareholder lawsuits and other legal proceedings related to our historical stock option practices, the resulting restatements, and the remedial measures we have taken.

It is possible that there may be additional governmental actions, shareholder lawsuits and other legal proceedings brought against us in connection with our historical stock option practices. In addition, we may be sued or taken to arbitration by former officers and employees in connection with their stock options and other matters. These proceedings may require us to expend significant management time and incur significant accounting, legal and other expenses, and may divert attention and resources from the operation of our business. These expenditures and diversions, as well as the adverse resolution of any specific lawsuit, could have a material adverse effect on our business, financial condition and results of operations.

Failure to maintain effective internal controls may cause us to delay filing our periodic reports with the SEC and adversely affect our stock price.

The SEC, as directed by Section 404 of the Sarbanes-Oxley Act of 2002, adopted rules requiring public companies to include a report of management on internal control over financial reporting in their annual reports on Form 10-K that contain an assessment by management of the effectiveness of the Company's internal control over financial reporting. In addition, our independent registered public accounting firm must attest to and report on management's assessment of the effectiveness of our internal control over financial reporting. We have identified a material weakness in our internal control over financial reporting as of September 30, 2006 as reported in our annual report on Form 10-K for the year ended September 30, 2006. Although we review our internal control over financial reporting in order to ensure compliance with the Section 404 requirements, our failure to maintain adequate internal controls over financial reporting could result in an adverse reaction in the financial marketplace due to a loss of investor confidence in the reliability of our financial statements, which ultimately could negatively impact our stock price.

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

Not applicable.

Item 3. DEFAULTS UPON SENIOR SECURITIES

Not applicable.

Item 4. SUBMISSION OF MATTERS TO A VOTE OF SECURITY HOLDERS

Not applicable.

Item 5. OTHER INFORMATION

Not applicable.

Item 6. EXHIBITS

Exhibit No.	Description
3.1*	Restated and Amended Certificate of Incorporation. (Previously filed as Exhibit 3.1 to Form 10-K for the fiscal year ended September 29, 1990).
3.2*	Certificate of Amendment of Restated and Amended Certificate of Incorporation of Coherent, Inc. (Previously filed as Exhibit 3.2 to Form 10-K for the fiscal year ended September 28, 2002).
3.3*	Bylaws of Coherent, Inc, as amended and restated on February 17, 2005 (Previously filed as Exhibit 3.3 to Form 10-K for the fiscal year ended October 2, 2004).
4.1*	Amended and Restated Common Shares Rights Agreement dated November 2, 1989 between Coherent and the Bank of Boston. (Previously filed as Exhibit 1 to Form 8-K/A filed on July 1, 1998).
31.1	Certification of Chief Executive Officer pursuant to Exchange Act Rule 13a-14(a)/15d-14(a) as adopted pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.
31.2	Certification of Chief Financial Officer pursuant to Exchange Act Rule 13a-14(a)/15d-14(a) as adopted pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.
32.1	Certification of Chief Executive Officer pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.
32.2	Certification of Chief Financial Officer pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.

* These exhibits were previously filed with the Commission as indicated and are incorporated herein by reference.

COHERENT, INC.

SIGNATURES

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

Coherent, Inc.
(Registrant)

January 31, 2008

/s/:

JOHN R. AMBROSEO
John R. Ambroseo
President and Chief Executive Officer
(Principal Executive Officer)

January 31, 2008

/s/:

HELENE SIMONET
Helene Simonet
Executive Vice President and Chief Financial Officer
(Principal Financial and Accounting Officer)

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