

TERADYNE, INC
Form 10-Q
November 09, 2012
Table of Contents

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 September 30, 2012

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 No. 001-06462

TERADYNE, INC.

(Exact name of registrant as specified in its charter)

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Massachusetts
(State or Other Jurisdiction of

04-2272148
(I.R.S. Employer

Incorporation or Organization)

Identification No.)

600 Riverpark Drive, North Reading,

Massachusetts
(Address of Principal Executive Offices)

01864
(Zip Code)

978-370-2700

(Registrant's Telephone Number, Including Area Code)

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 the filing requirements for the past 90 days. Yes No

Indicate by check mark whether the registrant has submitted electronically and posted on its corporate Web site, if any, every Interactive Data File required to be submitted and posted pursuant to Rule 405 of Regulation S-T (232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit and post such files) Yes No

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

Large accelerated filer Accelerated filer
Non-accelerated filer Smaller reporting company

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 the registrant's only class of Common Stock as of November 5, 2012 was 187,852,103 shares.

Table of Contents

TERADYNE, INC.

INDEX

	Page No.
PART I. FINANCIAL INFORMATION	
Item 1. <u>Financial Statements (Unaudited):</u>	
<u>Condensed Consolidated Balance Sheets as of September 30, 2012 and December 31, 2011</u>	1
<u>Condensed Consolidated Statements of Operations for the Three and Nine Months Ended September 30, 2012 and October 2, 2011</u>	2
<u>Condensed Consolidated Statements of Comprehensive Income for the Three and Nine Months Ended September 30, 2012 and October 2, 2011</u>	3
<u>Condensed Consolidated Statements of Cash Flows for the Nine Months Ended September 30, 2012 and October 2, 2011</u>	4
<u>Notes to Condensed Consolidated Financial Statements</u>	5
Item 2. <u>Management's Discussion and Analysis of Financial Condition and Results of Operations</u>	29
Item 3. <u>Quantitative and Qualitative Disclosures about Market Risk</u>	42
Item 4. <u>Controls and Procedures</u>	43
PART II. OTHER INFORMATION	
Item 1. <u>Legal Proceedings</u>	44
Item 1A. <u>Risk Factors</u>	44
Item 2. <u>Unregistered Sales of Equity Securities and Use of Proceeds</u>	44
Item 4. <u>Mine Safety Disclosures</u>	45
Item 6. <u>Exhibits</u>	46

Table of Contents**PART I****Item 1: Financial Statements****TERADYNE, INC.****CONDENSED CONSOLIDATED BALANCE SHEETS****(Unaudited)**

	September 30, 2012	December 31, 2011
	(in thousands,	
	except per share amount)	
ASSETS		
Current assets:		
Cash and cash equivalents	\$ 485,692	\$ 573,736
Marketable securities	344,850	96,502
Accounts receivable, less allowance for doubtful accounts of \$4,149 and \$4,102 at September 30, 2012 and December 31, 2011, respectively	205,464	129,330
Inventories:		
Raw materials	94,833	102,307
Assemblies in process	25,926	24,283
Finished goods	13,998	33,473
	134,757	160,063
Deferred tax assets	58,517	53,948
Prepayments and other current assets	81,987	86,308
Total current assets	1,311,267	1,099,887
Property, plant and equipment	847,711	798,194
Less: Accumulated depreciation	586,593	565,987
Net property, plant and equipment	261,118	232,207
Long-term marketable securities	178,281	84,407
Retirement plan assets	7,711	8,840
Intangible assets, net	337,688	392,975
Goodwill	349,373	352,778
Other assets	17,853	17,545
Total assets	\$ 2,463,291	\$ 2,188,639
LIABILITIES		
Current liabilities:		
Accounts payable	\$ 74,187	\$ 69,842
Accrued employees' compensation and withholdings	78,929	90,427
Deferred revenue and customer advances	70,968	78,670
Contingent consideration	16,513	68,892
Other accrued liabilities	61,220	62,420
Accrued income taxes	43,573	860
Current debt	3,863	2,573
Total current liabilities	349,253	373,684
Long-term deferred revenue and customer advances	30,592	33,541
Retirement plan liabilities	80,504	76,638

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Deferred tax liabilities	30,932	16,049
Long-term other accrued liabilities	19,211	23,711
Long-term debt	167,556	159,956
 Total liabilities	 678,048	 683,579
 Commitments and contingencies (Note O)		
SHAREHOLDERS EQUITY		
Common stock, \$0.125 par value, 1,000,000 shares authorized, 187,651 shares and 183,587 shares issued and outstanding at September 30, 2012 and December 31, 2011, respectively	23,456	22,948
Additional paid-in capital	1,337,616	1,293,130
Accumulated other comprehensive income	6,343	4,746
Retained earnings	417,828	184,236
 Total shareholders equity	 1,785,243	 1,505,060
 Total liabilities and shareholders equity	 \$ 2,463,291	 \$ 2,188,639

The accompanying notes, together with the Notes to Consolidated Financial Statements included in Teradyne's Annual Report on Form 10-K for the year ended December 31, 2011, are an integral part of the condensed consolidated financial statements.

Table of Contents**TERADYNE, INC.****CONDENSED CONSOLIDATED STATEMENTS OF OPERATIONS****(Unaudited)**

	For the Three Months Ended		For the Nine Months Ended	
	September 30, 2012	October 2, 2011	September 30, 2012	October 2, 2011
	(in thousands, except per share amount)			
Net revenues:				
Products	\$ 393,037	\$ 274,944	\$ 1,204,506	\$ 931,979
Services	70,357	69,445	203,840	200,090
Total net revenues	463,394	344,389	1,408,346	1,132,069
Cost of revenues:				
Cost of products	169,782	138,088	550,282	451,371
Cost of services	33,412	35,927	97,432	102,754
Total cost of revenues	203,194	174,015	647,714	554,125
Gross profit	260,200	170,374	760,632	577,944
Operating expenses:				
Engineering and development	63,055	45,896	189,722	141,432
Selling and administrative	69,921	54,775	211,064	170,386
Acquired intangible asset amortization	18,429	6,754	55,287	21,336
Restructuring and other, net	683	1,465	(7,404)	3,157
Total operating expenses	152,088	108,890	448,669	336,311
Income from operations	108,112	61,484	311,963	241,633
Interest income	1,067	3,049	2,834	5,739
Interest expense and other	(6,154)	(6,068)	(18,536)	(17,560)
Income from continuing operations before income taxes	103,025	58,465	296,261	229,812
Income tax provision	14,384	1,759	62,669	15,084
Income from continuing operations	88,641	56,706	233,592	214,728
Income from discontinued operations before income taxes				1,436
Income tax benefit				(267)
Income from discontinued operations				1,703
Gain on disposal of discontinued operations (net of income tax provision of \$4,578)				24,371
Net income	\$ 88,641	\$ 56,706	\$ 233,592	\$ 240,802
Income per common share from continuing operations:				
Basic	\$ 0.47	\$ 0.31	\$ 1.25	\$ 1.16
Diluted	\$ 0.39	\$ 0.26	\$ 1.02	\$ 0.94

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Net income per common share:

Basic	\$ 0.47	\$ 0.31	\$ 1.25	\$ 1.30
Diluted	\$ 0.39	\$ 0.26	\$ 1.02	\$ 1.06
Weighted average common share basic	187,364	185,102	186,592	185,063
Weighted average common share diluted	229,210	221,892	230,003	228,141

The accompanying notes, together with the Notes to Consolidated Financial Statements included in Teradyne's Annual Report on Form 10-K for the year ended December 31, 2011, are an integral part of the condensed consolidated financial statements.

Table of Contents**TERADYNE, INC.****CONDENSED CONSOLIDATED STATEMENTS OF COMPREHENSIVE INCOME****(Unaudited)**

	For the Three Months Ended		For the Nine Months Ended	
	September 30, 2012	October 2, 2011	September 30, 2012	October 2, 2011
	(in thousands)			
Net income	\$ 88,641	\$ 56,706	\$ 233,592	\$ 240,802
Other comprehensive income (loss), net of tax:				
Foreign currency translation reclassification adjustment included in net income				2,266
Unrealized gains on marketable securities:				
Unrealized gains on marketable securities arising during period	1,259	436	2,455	2,058
Less: Reclassification adjustment for gains included in net income	(93)	(1,493)	(583)	(1,802)
	1,166	(1,057)	1,872	256
Defined benefit pension and post-retirement plans:				
Amortization of prior service (benefit) cost included in net periodic pension and post-retirement costs	(92)	5	(275)	17
Other comprehensive income (loss)	1,074	(1,052)	1,597	2,539
Comprehensive income	\$ 89,715	\$ 55,654	\$ 235,189	\$ 243,341

The accompanying notes, together with the Notes to Consolidated Financial Statements included in Teradyne's

Annual Report on Form 10-K for the year ended December 31, 2011, are an integral part of the condensed

consolidated financial statements.

Table of Contents**TERADYNE, INC.****CONDENSED CONSOLIDATED STATEMENTS OF CASH FLOWS****(Unaudited)**

	For the Nine Months Ended	
	September 30, 2012	October 2, 2011
	(in thousands)	
Cash flows from operating activities:		
Net income	\$ 233,592	\$ 240,802
Less: Income from discontinued operations		1,703
Less: Gain on disposal of discontinued operations		24,371
Income from continuing operations	233,592	214,728
Adjustments to reconcile income from continuing operations to net cash provided by operating activities:		
Depreciation	39,812	38,426
Amortization	65,790	30,838
Stock-based compensation	30,634	22,514
Deferred taxes	7,076	(412)
Provision for excess and obsolete inventory	16,408	10,756
Non cash charge for the sale of inventories revalued at the date of acquisition	6,089	
Contingent consideration adjustment	(8,406)	
Tax benefit related to stock options and restricted stock units	(7,600)	
Retirement plans actuarial losses	4,991	4,203
Other	(750)	2,328
Changes in operating assets and liabilities, net of businesses sold:		
Accounts receivable	(76,134)	25,233
Inventories	25,070	(1,034)
Other assets	7,278	(13,553)
Accounts payable and other accrued expenses	(17,600)	(47,483)
Deferred revenue and customer advances	(10,651)	(58,304)
Retirement plans contributions	(3,679)	(6,393)
Accrued income taxes	50,313	(3,064)
Net cash provided by continuing operations	362,233	218,783
Net cash used for discontinued operations		(4,225)
Net cash provided by operating activities	362,233	214,558
Cash flows from investing activities:		
Purchases of property, plant and equipment	(91,132)	(66,623)
Purchases of available-for-sale marketable securities	(513,057)	(593,261)
Proceeds from maturities of available-for-sale marketable securities	102,635	485,416
Proceed from sales of available-for-sale marketable securities	70,937	627,439
Net cash (used for) provided by continuing operations	(430,617)	452,971
Net cash provided by discontinued operations		39,062
Net cash (used for) provided by investing activities	(430,617)	492,033
Cash flows from financing activities:		
Issuance of common stock under employee stock option and stock purchase plans	17,959	17,216
Tax benefit related to stock options and restricted stock units	7,600	
Payments of long-term debt	(1,246)	(2,518)

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Payments of contingent consideration	(43,973)	
Repurchase of common stock		(23,863)
Net cash used for financing activities	(19,660)	(9,165)
(Decrease) Increase in cash and cash equivalents	(88,044)	697,426
Cash and cash equivalents at beginning of period	573,736	397,737
Cash and cash equivalents at end of period	\$ 485,692	\$ 1,095,163

The accompanying notes, together with the Notes to Consolidated Financial Statements included in Teradyne's

Annual Report on Form 10-K for the year ended December 31, 2011, are an integral part of the condensed

consolidated financial statements.

Table of Contents

TERADYNE, INC.

NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS

(Unaudited)

A. The Company

Teradyne, Inc. (Teradyne) is a leading global supplier of automatic test equipment. Teradyne s automatic test equipment products and services include:

semiconductor test (Semiconductor Test) systems,

military/aerospace (Mil/Aero) test instrumentation and systems, storage test (Storage Test) systems, and circuit-board test and inspection (Commercial Board Test) systems (collectively these products represent Systems Test Group), and

wireless test (Wireless Test) systems.

B. Accounting Policies

Basis of Presentation

The condensed consolidated interim financial statements include the accounts of Teradyne and its subsidiaries. All significant intercompany balances and transactions have been eliminated. These interim financial statements are unaudited and reflect all normal recurring adjustments that are, in the opinion of management, necessary for the fair presentation of such interim financial statements. Certain prior year s amounts were reclassified to conform to the current year presentation. The December 31, 2011 condensed consolidated balance sheet data was derived from audited financial statements, but does not include all disclosures required by accounting principles generally accepted in the United States of America.

The accompanying financial information should be read in conjunction with the consolidated financial statements and notes thereto contained in Teradyne s Annual Report on Form 10-K, filed with the U.S. Security and Exchange Commission (SEC) on February 29, 2012, for the year ended December 31, 2011.

Preparation of Financial Statements and Use of Estimates

The preparation of consolidated financial statements requires management to make estimates and judgments that affect the amounts reported in the financial statements. Actual results may differ significantly from these estimates.

Income Taxes

Deferred tax assets and liabilities are determined based on differences between financial reporting and tax bases of assets and liabilities and are measured using the enacted tax rates and laws that will be in effect when the differences are expected to reverse. The measurement of deferred tax assets is reduced by a valuation allowance if, based upon weighted available evidence, it is more likely than not that some or all of the deferred tax assets will not be realized. U.S. income taxes are not provided for on the earnings of non-U.S. subsidiaries, except Japan, which are expected to be reinvested indefinitely in operations outside the U.S. For intra-period tax allocations, Teradyne first utilizes non-equity related tax attributes, such as net operating losses and credit carryforwards and then equity-related tax attributes.

C. Change in Accounting Principle

Effective January 1, 2012, Teradyne changed the method of recognizing actuarial gains and losses for its defined benefit pension plans and postretirement benefit plan and calculating the expected return on plan assets for its defined benefit pension plans. Historically, Teradyne

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recognized net actuarial gains and losses in accumulated other comprehensive income within shareholders' equity on the consolidated balance sheets on an

Table of Contents

annual basis and amortized them into operating results over the average remaining years of service of the plan participants, to the extent such gains and losses were outside of a range (corridor). Teradyne has elected to immediately recognize net actuarial gains and losses and the change in the fair value of the plan assets in its operating results in the year in which they occur or upon any interim remeasurement of the plans. In addition, Teradyne used to calculate the expected return on plan assets using a calculated market-related value of plan assets. Teradyne has also elected to calculate the expected return on plan assets using the fair value of the plan assets.

Teradyne believes that this new method is preferable as it eliminates the delay in recognizing gains and losses in its operating results and it will improve the transparency by faster recognition of the effects of economic and interest rate trends on plan obligations and investments. These actuarial gains and losses are generally measured annually as of December 31 and, accordingly, will be recorded during the fourth quarter of each year or upon any interim remeasurement of the plans. In accordance with Financial Accounting Standards Board Accounting Standards Codification Topic 250, Accounting Changes and Error Corrections, all prior periods presented in this Quarterly Report on Form 10-Q have been adjusted to apply the new accounting method retrospectively. This accounting change did not impact the financial position of the reportable segments.

Had these changes not been made, net income for the three and nine months ended September 30, 2012 would have been \$73.2 million and \$213.4 million, respectively, compared to \$88.6 million and \$233.6 million actually recorded. Diluted earnings per share would have been \$0.32 and \$0.93 compared to \$0.39 and \$1.02 for the three and nine months ended September 30, 2012, respectively.

The effects of the change in accounting principle on the condensed consolidated financial statements for 2011 are presented below. Teradyne has condensed the comparative financial statements for financial statement line items that were not affected by the change in accounting principle.

Condensed Consolidated Balance Sheets

	Originally Reported	December 31, 2011 Effect of Accounting Change (in thousands)	As Adjusted
Assets:			
Total assets	\$ 2,188,639	\$	\$ 2,188,639
Liabilities:			
Total liabilities	683,579		683,579
Shareholders' Equity:			
Common stock	22,948		22,948
Additional paid-in capital	1,293,130		1,293,130
Accumulated other comprehensive (loss) income	(129,875)	134,621	4,746
Retained earnings	318,857	(134,621)	184,236
Total shareholders' equity	1,505,060		1,505,060
Total liabilities and shareholders' equity	\$ 2,188,639	\$	\$ 2,188,639

Table of Contents*Condensed Consolidated Statements of Operations*

	Originally Reported	For the Three Months Ended October 2, 2011 Effect of Accounting Change (in thousands, except per share amounts)	As Adjusted
Net revenues	\$ 344,389	\$	\$ 344,389
Cost of revenues	174,544	(529)	174,015
Gross profit	169,845	529	170,374
Operating expenses:			
Engineering and development	46,799	(903)	45,896
Selling and administrative	55,304	(529)	54,775
Acquired intangible asset amortization	6,754		6,754
Restructuring and other	1,465		1,465
Total operating expenses	110,322	(1,432)	108,890
Income from operations	59,523	1,961	61,484
Interest income	3,049		3,049
Interest expense and other, net	(6,068)		(6,068)
Income before income taxes	56,504	1,961	58,465
Provision for income taxes	1,759		1,759
Net income	\$ 54,745	\$ 1,961	\$ 56,706
Net income per common share:			
Basic	\$ 0.30	\$ 0.01	\$ 0.31
Diluted	\$ 0.25	\$ 0.01	\$ 0.26
Weighted average common share basic	185,102		185,102
Weighted average common share diluted	221,892		221,892

Table of Contents

	Originally Reported	For the Nine Months Ended October 2, 2011 Effect of Accounting Change (in thousands, except per share amounts)	As Adjusted
Net revenues	\$ 1,132,069	\$	\$ 1,132,069
Cost of revenues	554,729	(604)	554,125
Gross profit	577,340	604	577,944
Operating expenses:			
Engineering and development	142,169	(737)	141,432
Selling and administrative	171,014	(628)	170,386
Acquired intangible asset amortization	21,336		21,336
Restructuring and other	3,157		3,157
Total operating expenses	337,676	(1,365)	336,311
Income from operations	239,664	1,969	241,633
Interest income	5,739		5,739
Interest expense and other, net	(17,560)		(17,560)
Income from continuing operations before income taxes	227,843	1,969	229,812
Provision for income taxes	15,084		15,084
Income from continuing operations	212,759	1,969	214,728
Income from discontinued operations before income taxes	1,278	158	1,436
Benefit from income taxes	(267)		(267)
Income from discontinued operations	1,545	158	1,703
Gain on disposal of discontinued operations (net of tax of \$4,578)	24,371		24,371
Net income	\$ 238,675	\$ 2,127	\$ 240,802
Net income per common share from continuing operations:			
Basic	\$ 1.15	\$ 0.01	\$ 1.16
Diluted	\$ 0.93	\$ 0.01	\$ 0.94
Net income per common share:			
Basic	\$ 1.29	\$ 0.01	\$ 1.30
Diluted	\$ 1.05	\$ 0.01	\$ 1.06
Weighted average common share basic	185,063		185,063
Weighted average common share diluted	228,141		228,141

Table of Contents*Condensed Consolidated Statements of Comprehensive Income*

	Originally Reported	For the Three Months Ended October 2, 2011 Effect of Accounting Change (in thousands)	As Adjusted
Net income	\$ 54,745	\$ 1,961	\$ 56,706
Other comprehensive income (loss), net of tax:			
Unrealized gains on marketable securities	(1,057)		(1,057)
Defined benefit pension and post-retirement plans:			
Actuarial losses arising during period, net of tax of (\$0), \$0	(5)	5	
Less: Amortization included in net periodic pension and post- retirement costs:			
Actuarial losses, net of tax of \$11, (\$11)	2,226	(2,226)	
Prior service costs, net of tax of \$0	5		5
	2,231	(2,226)	5
Other comprehensive income (loss)	1,169	(2,221)	(1,052)
Comprehensive income	\$ 55,914	\$ (260)	\$ 55,654

	Originally Reported	For the Nine Months Ended October 2, 2011 Effect of Accounting Change (in thousands)	As Adjusted
Net income	\$ 238,675	\$ 2,127	\$ 240,802
Other comprehensive income, net of tax:			
Foreign currency translation reclassification adjustment included in net income	2,266		2,266
Unrealized gains on marketable securities	256		256
Defined benefit pension and post-retirement plans:			
Actuarial losses arising during period, net of tax of (\$5), \$5	(4,206)	4,206	
Settlement loss, net of tax of \$73, (\$73)	277	(277)	
Less: Amortization included in net periodic pension and post-retirement costs:			
Actuarial losses, net of tax of \$30, (\$30)	6,681	(6,681)	
Prior service costs, net of tax of \$0	17		17
	6,698	(6,681)	17
Other comprehensive income	5,291	(2,752)	2,539
Comprehensive income	\$ 243,966	\$ (625)	\$ 243,341

Table of Contents**Condensed Consolidated Statements of Cash Flows**

	Originally Reported	For the Nine Months Ended October 2, 2011 Effect of Accounting Change (in thousands)	As Adjusted
Cash flows from operating activities:			
Net income	\$ 238,675	\$ 2,127	\$ 240,802
Less: Income from discontinued operations	1,545	158	1,703
Less: Gain on disposal of discontinued operations	24,371		24,371
Income from continuing operations	212,759	1,969	214,728
Adjustments to reconcile income from continuing operations to net cash provided by operating activities:			
Depreciation	38,426		38,426
Amortization	37,547	(6,709)	30,838
Stock-based compensation	22,514		22,514
Provision for excess and obsolete inventory	10,756		10,756
Other	1,379	4,740	6,119
Changes in operating assets and liabilities, net of businesses sold:			
Accounts receivable	25,233		25,233
Inventories	(1,034)		(1,034)
Other assets	(13,553)		(13,553)
Deferred revenue and customer advances	(58,304)		(58,304)
Accounts payable and other accrued expenses	(47,483)		(47,483)
Retirement plan contributions	(6,393)		(6,393)
Accrued income taxes	(3,064)		(3,064)
Net cash provided by continuing operations	218,783		218,783
Net cash used for discontinued operations	(4,225)		(4,225)
Net cash provided by operating activities	214,558		214,558
Net cash provided by investing activities	492,033		492,033
Net cash used for financing activities	(9,165)		(9,165)
Increase in cash and cash equivalents	697,426		697,426
Cash and cash equivalents at beginning of period	397,737		397,737
Cash and cash equivalents at end of period	\$ 1,095,163	\$	\$ 1,095,163

D. Recently Issued Accounting Pronouncements

In December 2011, the FASB issued ASU No. 2011-11, Disclosures about Offsetting Assets and Liabilities. This ASU is intended to enhance the understanding of the effects of netting arrangements on an entity's financial statements, including financial instruments and derivative instruments that are either offset or subject to a master netting arrangement. The scope of this ASU includes derivatives, sale and repurchase agreements, reverse sale and repurchase agreements, and securities borrowing and lending arrangements. The provisions of this ASU are effective for interim and annual periods beginning on or after January 1, 2013.

Table of Contents**E. Discontinued Operations**

On March 21, 2011, Teradyne completed the sale of its Diagnostic Solutions business unit, which was included in the Systems Test Group segment, to SPX Corporation for \$40.2 million in cash. Teradyne sold this business as its growth potential as a stand-alone business within Teradyne was significantly less than if it was part of a larger automotive supplier. The financial information for Diagnostic Solutions has been reclassified to discontinued operations for all periods presented. Net revenues and income from discontinued operations for the three and nine months ended October 2, 2011 were as follows:

	For the Three Months Ended October 2, 2011	For the Nine Months Ended October 2, 2011
	(in thousands)	
Net revenues	\$	\$ 9,086
Income from discontinued operations before income taxes	\$	\$ 1,436
Gain from disposal of discontinued operations before income taxes		28,949
Income tax provision		4,311
Income from discontinued operations	\$	\$ 26,074

F. Financial Instruments and Derivatives**Financial Instruments**

Teradyne uses the market and income approach to value its financial instruments and there was no change in valuation techniques used by Teradyne during the three and nine months ended September 30, 2012 and October 2, 2011. As defined in ASC 820-10, *Fair Value Measurements and Disclosures*, fair value is the price that would be received from the sale of an asset or paid to transfer a liability in an orderly transaction between market participants. ASC 820-10 requires that assets and liabilities are carried at fair value and are classified in one of the following three categories:

Level 1: Quoted prices in active markets for identical assets as of the reporting date.

Level 2: Inputs other than Level 1, that are observable either directly or indirectly as of the reporting date. For example, a common approach for valuing fixed income securities is the use of matrix pricing. Matrix pricing is a mathematical technique used to value securities by relying on the securities' relationship to other benchmark quoted prices.

Level 3: Unobservable inputs that are not supported by market data. Unobservable inputs are developed based on the best information available, which might include Teradyne's own data.

Most of Teradyne's fixed income securities are classified as Level 2, with the exception of U.S. Treasury securities and investments in equity and debt mutual funds, which are classified as Level 1, and contingent consideration, which is classified as Level 3. As of September 30, 2012, the majority of Level 2 securities were priced by third party pricing vendors. These pricing vendors utilize the most recent observable market information in pricing these securities or, if specific prices are not available, use other observable inputs like market transactions involving identical or comparable securities.

During the nine months ended September 30, 2012 and October 2, 2011, there were no transfers in or out of Level 1, Level 2 or Level 3 financial instruments.

Table of Contents

The following table sets forth by fair value hierarchy Teradyne's financial assets and liabilities that were measured at fair value on a recurring basis as of September 30, 2012 and December 31, 2011.

	September 30, 2012			Total
	Quoted Prices in Active Markets for Identical Instruments (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)	
(in thousands)				
Assets				
Cash	\$ 194,724	\$	\$	\$ 194,724
Cash equivalents	275,546	15,422		290,968
Available for sale securities:				
U.S. Treasury securities	268,020			268,020
U.S. government agency securities		146,655		146,655
Corporate debt securities		47,490		47,490
Commercial paper		44,476		44,476
Equity and debt mutual funds	9,552			9,552
Certificates of deposit and time deposits		6,660		6,660
Non-U.S. government securities	278			278
Total	\$ 748,120	\$ 260,703	\$	\$ 1,008,823
Liabilities				
Contingent consideration	\$	\$	\$ 16,513	\$ 16,513
Derivatives		106		106
Total	\$	\$ 106	\$ 16,513	\$ 16,619

Reported as follows:

	(Level 1)	(Level 2)	(Level 3)	Total
(in thousands)				
Assets				
Cash and cash equivalents	\$ 470,270	\$ 15,422	\$	\$ 485,692
Marketable securities	198,289	146,561		344,850
Long-term marketable securities	79,561	98,720		178,281
	\$ 748,120	\$ 260,703	\$	\$ 1,008,823
Liabilities				
Contingent consideration	\$	\$	\$ 16,513	\$ 16,513
Other accrued liabilities		106		106
	\$	\$ 106	\$ 16,513	\$ 16,619

Table of Contents

	December 31, 2011			
	Quoted Prices in Active Markets for Identical Instruments (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)	Total
	(in thousands)			
Assets				
Cash	\$ 161,243	\$	\$	\$ 161,243
Cash equivalents	396,329	16,164		412,493
Available for sale securities:				
U.S. government agency securities		83,197		83,197
Corporate debt securities		44,829		44,829
Commercial paper		22,075		22,075
U.S. Treasury securities	14,180			14,180
Equity and debt mutual funds	8,237			8,237
Certificates of deposit and time deposits		8,117		8,117
Non-U.S. government securities	274			274
Total	\$ 580,263	\$ 174,382	\$	\$ 754,645
Liabilities				
Contingent consideration	\$	\$	\$ 68,892	\$ 68,892
Derivatives		314		314
Total	\$	\$ 314	\$ 68,892	\$ 69,206

Reported as follows:

	(Level 1)	(Level 2)	(Level 3)	Total
	(in thousands)			
Assets				
Cash and cash equivalents	\$ 557,572	\$ 16,164	\$	\$ 573,736
Marketable securities	9,044	87,458		96,502
Long-term marketable securities	13,647	70,760		84,407
	\$ 580,263	\$ 174,382	\$	\$ 754,645
Liabilities				
Contingent consideration	\$	\$	\$ 68,892	\$ 68,892
Other accrued liabilities		314		314
	\$	\$ 314	\$ 68,892	\$ 69,206

Contingent consideration is measured at fair value and is based on significant inputs not observable in the market, which represents a Level 3 measurement within the fair value hierarchy. The valuation of contingent consideration uses assumptions and estimates to forecast a range of outcomes. Teradyne assesses these assumptions and estimates on a quarterly basis as additional data impacting the assumptions is obtained. Changes in the fair value of contingent consideration related to updated assumptions and estimates are recognized within the condensed consolidated statements of operations.

Table of Contents

The following table provides quantitative information associated with the fair value measurement of Teradyne's Level 3 financial instrument:

Liability	September 30, 2012 Fair Value (in thousands)	Valuation Technique	Unobservable Inputs	Weighted Average
Contingent consideration	\$ 16,513	Income approach discounted cash flow	Discount rate for revenue earn-out Discount rate for new product earn-out	3.5% 3.5%

The following table represents changes in the fair value of Level 3 contingent consideration:

	Contingent consideration (in thousands)
Balance at December 31, 2011	\$ 68,892
Fair value adjustment	(1,858)
Payment	(5,824)
Balance at April 1, 2012	61,210
Fair value adjustment	(6,548)
Balance at July 1, 2012	54,662
Payment	(38,149)
Balance at September 30, 2012	\$ 16,513

On October 24, 2012 Teradyne paid \$14.4 million of the contingent consideration.

For the nine months ended September 30, 2012 and October 2, 2011, proceeds from sales of available-for-sale marketable securities were \$70.9 million and \$627.4 million, respectively. The proceeds from the sales of marketable securities during the nine months ended October 2, 2011 were used to fund Teradyne's acquisition of LitePoint.

During the three and nine months ended September 30, 2012, Teradyne recorded a net gain of \$0.3 million and \$0.9 million, respectively, from sales of marketable securities. During the three and nine months ended October 2, 2011, Teradyne recorded a net gain of \$2.2 million from sales of marketable securities.

Realized losses from sales of marketable securities are included in interest expense and other. Realized gains from sales of marketable securities are included in interest income.

The carrying amounts and fair values of financial instruments at September 30, 2012 and December 31, 2011 were as follows:

	September 30, 2012		December 31, 2011	
	Carrying Value	Fair Value	Carrying Value	Fair Value
			(in thousands)	
Cash and cash equivalents	\$ 485,692	\$ 485,692	\$ 573,736	\$ 573,736
Marketable securities	523,131	523,131	180,909	180,909
Convertible debt(1)	166,268	499,225	156,098	485,925
Japan loan	5,151	5,151	6,431	6,431

(1)

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The carrying value represents the bifurcated debt component only, while the fair value is based on quoted market prices for the convertible note which includes the equity conversion feature.

The fair values of cash and cash equivalents, accounts receivable, net and accounts payable approximate the carrying amount due to the short-term maturities of these instruments.

Table of Contents

The following tables summarize the composition of available for sale marketable securities at September 30, 2012 and December 31, 2011:

	September 30, 2012				Fair Market Value of Investments with Unrealized Losses
	Cost	Unrealized Gain	Unrealized (Loss) (in thousands)	Fair Market Value	
U.S. Treasury securities	\$ 267,831	\$ 190	\$ (1)	\$ 268,020	\$ 175
U.S. government agency securities	146,418	237		146,655	
Corporate debt securities	44,858	2,689	(57)	47,490	872
Commercial paper	44,474	6	(4)	44,476	10,235
Equity and debt mutual funds	8,471	1,084	(3)	9,552	148
Certificates of deposit and time deposits	6,658	2		6,660	
Non-U.S. government securities	278			278	
	\$ 518,988	\$ 4,208	\$ (65)	\$ 523,131	\$ 11,430

Reported as follows:

	September 30, 2012				Fair Market Value of Investments with Unrealized Losses
	Cost	Unrealized Gain	Unrealized (Loss) (in thousands)	Fair Market Value	
Marketable securities	\$ 344,777	\$ 77	\$ (4)	\$ 344,850	\$ 10,235
Long-term marketable securities	174,211	4,131	(61)	178,281	1,195
	\$ 518,988	\$ 4,208	\$ (65)	\$ 523,131	\$ 11,430

	December 31, 2011				Fair Market Value of Investments with Unrealized Losses
	Cost	Unrealized Gain	Unrealized (Loss) (in thousands)	Fair Market Value	
U.S. government agency securities	\$ 83,070	\$ 152	\$ (25)	\$ 83,197	\$ 28,510
Corporate debt securities	43,077	1,893	(141)	44,829	17,033
Commercial paper	22,083	2	(10)	22,075	9,479
U.S. Treasury securities	14,141	39		14,180	
Equity and debt mutual funds	7,876	477	(116)	8,237	3,749
Certificates of deposit and time deposits	8,122		(5)	8,117	5,800
Non-U.S. government securities	256	18		274	
	\$ 178,625	\$ 2,581	\$ (297)	\$ 180,909	\$ 64,571

Reported as follows:

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	Cost	Unrealized Gain	Unrealized (Loss) (in thousands)	Fair Market Value	Fair Market Value of Investments with Unrealized Losses
Marketable securities	\$ 96,518	\$ 24	\$ (40)	\$ 96,502	\$ 35,595
Long-term marketable securities	82,107	2,557	(257)	84,407	28,976
	\$ 178,625	\$ 2,581	\$ (297)	\$ 180,909	\$ 64,571

Table of Contents

As of September 30, 2012, the fair market value of marketable securities with unrealized losses totaled \$11.4 million. There were no unrealized losses greater than one year. As of December 31, 2011, the fair market value of marketable securities with unrealized losses totaled \$64.6 million. Of this value, \$2.4 million had unrealized losses greater than one year and \$62.2 million had unrealized losses less than one year.

The contractual maturities of available-for-sale marketable securities as of September 30, 2012 were as follows:

	September 30, 2012	
	Cost	Fair Market Value
Due within one year	\$ 344,777	\$ 344,850
Due after 1 year through 5 years	155,621	157,028
Due after 5 years through 10 years	2,819	3,025
Due after 10 years	15,771	18,228
Total	\$ 518,988	\$ 523,131

Derivatives

Teradyne conducts business in a number of foreign countries, with certain transactions denominated in local currencies. The purpose of Teradyne's foreign currency management is to minimize the effect of exchange rate fluctuations on certain foreign currency denominated net monetary assets. Teradyne does not use derivative financial instruments for trading or speculative purposes.

To minimize the effect of exchange rate fluctuations associated with the remeasurement of monetary assets and liabilities denominated in foreign currencies, Teradyne enters into foreign currency forward contracts. The change in fair value of these derivatives is recorded directly in earnings, and is used to offset the change in fair value of the monetary assets and liabilities denominated in foreign currencies.

The notional amount of foreign exchange contracts hedging monetary assets and liabilities denominated in foreign currencies was \$84.5 million and \$85.4 million at September 30, 2012 and December 31, 2011, respectively.

The following table summarizes the fair value of derivative instruments at September 30, 2012 and December 31, 2011.

	Balance Sheet Location	September 30,	December 31,
		2012	2011
(in thousands)			
Derivatives not designated as hedging instruments:			
Foreign exchange contracts	Other accrued liabilities	\$ 106	\$ 314
		\$ 106	\$ 314

Table of Contents

The following table summarizes the effect of derivative instruments in the statement of operations recognized during the three and nine months ended September 30, 2012 and October 2, 2011. The table does not reflect the corresponding gains (losses) from the remeasurement of the monetary assets and liabilities denominated in foreign currencies.

Location of Gains (Losses) Recognized in Statement of Operations	For the Three Months Ended		For the Nine Months Ended		
	September 30, 2012	October 2, 2011	September 30, 2012	October 2, 2011	
	(in thousands)				
Derivatives not designated as hedging instruments:					
Foreign exchange contracts	Interest expense and other	\$ (1,197)	\$ (1,429)	\$ (677)	\$ (858)
		\$ (1,197)	\$ (1,429)	\$ (677)	\$ (858)

See Note G Debt regarding derivatives related to convertible senior notes.

G. Debt**Loan Agreement**

On March 31, 2009, Teradyne K.K., Teradyne's wholly-owned subsidiary in Japan, entered into a loan agreement with a local bank in Japan to borrow approximately \$10.0 million. The loan has a term of 5 years and a fixed interest rate of 0.81%. Approximately \$6.0 million of the loan is collateralized by a real estate mortgage on Teradyne K.K.'s building and land in Kumamoto, Japan and approximately \$4.0 million is unsecured. Teradyne, Inc. has guaranteed payment of the loan obligation. The loan is amortized over the term of the loan with semiannual principal payments of approximately \$1.0 million payable on September 30 and March 30 each year. At September 30, 2012, approximately \$3.9 million of the outstanding loan principal is included in current debt and approximately \$1.3 million is classified as long-term debt.

Convertible Senior Notes

In April 2009, Teradyne issued 4.50% convertible senior notes (the Notes) at an aggregate principal amount of \$190 million. The Notes will mature on March 15, 2014, unless earlier repurchased by Teradyne or converted. The Notes are senior unsecured obligations and rank equally with all of Teradyne's existing and future senior debt and senior to any of Teradyne's subordinated debt.

The Notes may be converted, at the option of the holder, under certain circumstances and during certain periods, at an initial conversion rate of approximately 182.65 shares of Teradyne's common stock per \$1,000 principal amount of Notes, which is equivalent to an initial conversion price of approximately \$5.48, a 25% conversion premium based on the last reported sale price of \$4.38 per share of Teradyne's common stock on March 31, 2009. The conversion rate is subject to adjustment in certain circumstances including but not limited to Teradyne issuing a cash or stock dividend or effecting a stock split.

During the three months ended September 30, 2012, the following circumstance occurred that allows holders to convert their Notes at their option prior to December 15, 2013: the last reported sale price of Teradyne's common stock for 20 or more trading days in a period of 30 consecutive trading days ending on the last trading day of the immediately preceding calendar quarter exceeded 130% of the conversion price in effect on the last trading day of the immediately preceding calendar quarter. As of November 9, 2012, no holders have exercised their option to convert their Notes into shares of common stock.

Concurrently with the offering of the Notes, Teradyne entered into a convertible note hedge transaction with a strike price equal to the initial conversion price of the Notes, or approximately \$5.48. The convertible note

Table of Contents

hedge allows Teradyne to receive shares of its common stock and/or cash related to the excess conversion value that it would pay to the holders of the Notes upon conversion. The convertible note hedges will cover, subject to customary antidilution adjustments, approximately 34,703,196 shares of Teradyne's common stock. Teradyne paid approximately \$64.6 million for the convertible note hedges.

On March 31, 2009, Teradyne entered into a warrant transaction with a strike price of approximately \$7.67 per share, which was 75% higher than the closing price of Teradyne's common stock. Teradyne received approximately \$43.0 million for the warrants.

The convertible note hedge and warrant transaction will generally have the effect of increasing the conversion price of the Notes to approximately \$7.67 per share of Teradyne's common stock, representing a 75% conversion premium based upon the closing price of Teradyne's common stock on March 31, 2009.

The Notes are classified as long-term debt in the balance sheet at September 30, 2012 and December 31, 2011. The tables below represent the components of Teradyne's convertible senior notes:

	September 30, 2012	December 31, 2011
	(in thousands)	
Debt principal	\$ 190,000	\$ 190,000
Unamortized debt discount	23,732	33,902
Net carrying amount of the convertible debt	\$ 166,268	\$ 156,098

	For the Three Months Ended		For the Nine Months Ended	
	September 30, 2012	October 2, 2011	September 30, 2012	October 2, 2011
	(in thousands)			
Contractual interest expense	\$ 2,114	\$ 2,114	\$ 6,413	\$ 6,460
Amortization of the discount component and debt issue fees	3,710	3,263	10,781	9,484
Total interest expense on the convertible debt	\$ 5,824	\$ 5,377	\$ 17,194	\$ 15,944

As of September 30, 2012, the unamortized discount was \$23.7 million, which will be amortized over approximately 1.50 years, and the carrying amount of the equity component was \$63.4 million. As of September 30, 2012, the conversion rate was equal to the initial conversion price of approximately \$5.48 per share and the if-converted value of the Notes was \$493.5 million.

H. Deferred Revenue and Customer Advances

Deferred revenue and customer advances consist of the following and are included in short and long-term deferred revenue and customer advances.

	September 30, 2012	December 31, 2011
	(in thousands)	
Customer advances	\$ 44,152	\$ 70,001
Maintenance, training and extended warranty	50,208	33,953
Undelivered elements	7,200	7,939
Acceptance		318

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Total deferred revenue and customer advances	\$ 101,560	\$ 112,211
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Table of Contents**I. Product Warranty**

Teradyne generally provides a one-year warranty on its products commencing upon installation or shipment. A provision is recorded upon revenue recognition to cost of revenues for estimated warranty expense based on historical experience. Related costs are charged to the warranty accrual as incurred. The balance below is included in other accrued liabilities.

	For the Three Months Ended		For the Nine Months Ended	
	September 30, 2012	October 2, 2011	September 30, 2012	October 2, 2011
	(in thousands)			
Balance at beginning of period	\$ 11,047	\$ 9,262	\$ 8,154	\$ 9,886
Accruals for warranties issued during the period	4,118	3,502	13,543	11,056
Adjustments related to pre-existing warranties	1,226	(491)	1,369	(2,563)
Settlements made during the period	(3,813)	(3,220)	(10,488)	(9,326)
Balance at end of period	\$ 12,578	\$ 9,053	\$ 12,578	\$ 9,053

When Teradyne receives revenue for extended warranties beyond one year, it is deferred and recognized on a straight-line basis over the contract period. Related costs are expensed as incurred. The balance below is included in deferred revenue and customer advances and long-term other accrued liabilities.

	For the Three Months Ended		For the Nine Months Ended	
	September 30, 2012	October 2, 2011	September 30, 2012	October 2, 2011
	(in thousands)			
Balance at beginning of period	\$ 20,754	\$ 10,308	\$ 12,742	\$ 8,972
Deferral of new extended warranty revenue	8,733	1,324	21,015	5,123
Recognition of extended warranty deferred revenue	(2,007)	(2,194)	(6,277)	(4,657)
Balance at end of period	\$ 27,480	\$ 9,438	\$ 27,480	\$ 9,438

J. Stock-Based Compensation

Restricted stock unit awards granted to employees vest in equal installments over four years. A portion of restricted stock unit awards granted to executive officers is subject to service-based vesting and a portion of the awards is subject to performance-based vesting. The percentage level of performance satisfied for performance-based grants is assessed on or near the anniversary of the grant date and, in turn, that percentage level determines the number of performance-based restricted stock units available for vesting over the vesting period; portions of the performance-based grants not available for vesting are forfeited. Service-based stock options vest in equal installments over four years, and have a term of seven years from the date of grant.

During the nine months ended September 30, 2012, Teradyne granted 1.7 million of restricted stock unit awards to employees at a weighted average grant date fair value of \$16.73 and 0.2 million of service-based stock options to executive officers at a weighted average grant date fair value of \$6.85.

During the nine months ended October 2, 2011, Teradyne granted 1.7 million of restricted stock unit awards to employees at a weighted average grant date fair value of \$16.20 and 0.1 million of service-based stock options to executive officers at a weighted average grant date fair value of \$6.74.

Table of Contents

The fair value of stock options was estimated using the Black-Scholes option-pricing model with the following assumptions:

	For the Nine Months Ended	
	September 30, 2012	October 2, 2011
Expected life (years)	3.50	4.00
Interest rate	0.4%	1.5%
Volatility-historical	56.0%	52.1%
Dividend yield	0.0%	0.0%

Teradyne determined the stock options' expected life based upon historical exercise data for executive officers, the age of the executive officers and the terms of the stock option grant. Volatility was determined using historical volatility for a period equal to the expected life. The risk-free rate was determined using the U.S. Treasury yield curve in effect at the time of grant.

The weighted-average fair value of employee stock purchase rights granted in the nine months ended September 30, 2012 and October 2, 2011 was \$3.75 and \$3.66, respectively. The fair value of the employees' purchase rights was estimated using the Black-Scholes option-pricing model with the following assumptions:

	For the Nine Months Ended	
	September 30, 2012	October 2, 2011
Expected life (years)	0.5	0.5
Interest rate	0.11%	0.14%
Volatility-historical	42.7%	41.0%
Dividend yield	0.0%	0.0%

K. Goodwill and Intangible Assets**Goodwill**

On October 5, 2011, Teradyne completed its acquisition of LitePoint Corporation (LitePoint) located in Sunnyvale, California. During the three months ended September 30, 2012, Teradyne recorded a decrease in goodwill by \$3.4 million and recorded a \$3.4 million income tax receivable.

Table of Contents

The changes in the carrying amount of goodwill by reporting units are as follows:

	Semiconductor Test	Systems Test Group (in thousands)	Wireless Test	Total
Balance at December 31, 2010:				
Goodwill	\$ 260,540	\$ 148,183	\$	\$ 408,723
Accumulated impairment losses	(260,540)	(148,183)		(408,723)
Activity during the year			352,778	352,778
Balance at December 31, 2011:				
Goodwill	260,540	148,183	352,778	761,501
Accumulated impairment losses	(260,540)	(148,183)		(408,723)
Activity during the year			352,778	352,778
Activity during the year			(3,405)	(3,405)
Balance at September 30, 2012:				
Goodwill	260,540	148,183	349,373	758,096
Accumulated impairment losses	(260,540)	(148,183)		(408,723)
	\$	\$	\$ 349,373	\$ 349,373

Intangible Assets

Amortizable intangible assets consist of the following and are included in intangible assets on the balance sheet:

	Gross Carrying Amount	September 30, 2012 Accumulated Amortization (in thousands)	Net Carrying Amount	Weighted Average Useful Life
Developed technology	\$ 358,155	\$ 130,349	\$ 227,806	6.3 years
Customer relationships and service and software maintenance contracts	144,971	58,905	86,066	8.0 years
Trade names and trademarks	33,840	10,024	23,816	9.0 years
Customer backlog	1,000	1,000		0.4 years
Total intangible assets	\$ 537,966	\$ 200,278	\$ 337,688	7.0 years

	Gross Carrying Amount	December 31, 2011 Accumulated Amortization (in thousands)	Net Carrying Amount	Weighted Average Useful Life
Developed technology	\$ 358,155	\$ 91,391	\$ 266,764	6.3 years
Customer relationships and service and software maintenance contracts	144,971	45,230	99,741	8.0 years
Trade names and trademarks	33,840	7,370	26,470	9.0 years

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Customer backlog	1,000	1,000		0.4 years
Total intangible assets	\$ 537,966	\$ 144,991	\$ 392,975	7.0 years

Table of Contents

Aggregate intangible asset amortization expense was \$18.4 million and \$55.3 million, respectively, for the three and nine months ended September 30, 2012 and \$6.8 million and \$21.3 million, respectively, for the three and nine months ended October 2, 2011. Estimated intangible asset amortization expense for each of the five succeeding fiscal years is as follows:

Year	Amortization Expense (in thousands)
2012 (remainder)	\$ 18,221
2013	72,459
2014	69,374
2015	52,351
2016	52,351

L. Net Income per Common Share

The following table sets forth the computation of basic and diluted net income per common share:

	For the Three Months Ended		For the Nine Months Ended	
	September 30, 2012	October 2, 2011	September 30, 2012	October 2, 2011
	(in thousands, except per share amounts)			
Income from continuing operations	\$ 88,641	\$ 56,706	\$ 233,592	\$ 214,728
Income from discontinued operations				1,703
Gain on disposal of discontinued operations				24,371
Net income for basic net income per share	\$ 88,641	\$ 56,706	\$ 233,592	\$ 240,802
Weighted average common shares-basic	187,364	185,102	186,592	185,063
Effect of dilutive potential common shares:				
Incremental shares from assumed conversion of convertible Note(1)	21,890	19,540	22,397	21,870
Convertible note hedge warrant shares(2)	16,765	13,475	17,474	16,737
Restricted stock units	1,423	3,377	1,413	3,942
Stock options	1,735	346	2,075	454
Employee stock purchase rights	33	52	52	75
Dilutive potential common shares	41,846	36,790	43,411	43,078
Weighted average common shares-diluted	229,210	221,892	230,003	228,141
Net income per common share-basic				
Continuing operations	\$ 0.47	\$ 0.31	\$ 1.25	\$ 1.16
Discontinued operations				0.14
	\$ 0.47	\$ 0.31	\$ 1.25	\$ 1.30
Net income per common share-diluted				
Continuing operations	\$ 0.39	\$ 0.26	\$ 1.02	\$ 0.94
Discontinued operations				0.12
	\$ 0.39	\$ 0.26	\$ 1.02	\$ 1.06

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- (1) Incremental shares from assumed conversion of the convertible notes for the three and nine months ended September 30, 2012 and October 2, 2011 are calculated using the difference between the average Teradyne stock price for the period and the conversion price of \$5.48, multiplied by the 34.7 million shares that would be issued upon conversion. The result of this calculation, representing the total intrinsic value of the convertible debt, is divided by the average Teradyne stock price for the period.

Table of Contents

- (2) Convertible note hedge warrant shares for the three and nine months ended September 30, 2012 and October 2, 2011 are calculated using the difference between the average Teradyne stock price for the period and the warrant price of \$7.67, multiplied by the 34.7 million shares that would be issued upon conversion. The result of this calculation, representing the total intrinsic value of the warrant, is divided by the average Teradyne stock price for the period.

The computation of diluted net income per common share for the three and nine months ended September 30, 2012 excludes the effect of the potential exercise of stock options to purchase approximately 0.3 million shares, and the computation of the three and nine months ended September 30, 2012 excludes the effect of the potential exercise of restricted stock units of 0.1 million and 0.4 million, because the effect would have been anti-dilutive.

The computation of diluted net income per common share for the three and nine months ended October 2, 2011 excludes the effect of the potential exercise of stock options to purchase approximately 0.5 million and 0.8 million shares and restricted stock units of 1.4 million and 0.5 million, respectively, because the effect would have been anti-dilutive.

With respect to Teradyne's convertible debt, Teradyne intends to settle its conversion spread (i.e., the intrinsic value of the embedded option feature contained in the convertible debt) in shares. Teradyne accounts for its conversion spread using the treasury stock method.

M. Restructuring and Other, Net

Other

During the nine months ended September 30, 2012, due to a decrease in specified new product revenue through the December 31, 2012 earn-out period end date, Teradyne recorded an \$8.4 million fair value adjustment to decrease the LitePoint acquisition contingent consideration. As of September 30, 2012, the estimated undiscounted range of outcomes for the contingent consideration is \$16.0 million to \$17.0 million. The decrease in the range from December 31, 2011 is due to \$44.0 million of contingent consideration payments and the \$8.4 million fair value decrease.

During the nine months ended October 2, 2011, Teradyne recorded \$1.3 million of acquisition costs related to its LitePoint acquisition and a \$0.7 million charge related to a non-U.S. pension settlement.

Table of Contents**Restructuring**

In response to a downturn in the industry in 2008 and 2009, Teradyne initiated restructuring activities across its Semiconductor Test and Systems Test Group segments to reduce costs, principally through headcount reductions and facility consolidations. The remaining accrual for lease payments on vacated facilities of \$1.3 million is reflected in the other accrued liabilities and is expected to be paid over the next twelve months, which expires in 2013. Teradyne's future lease commitments are net of expected sublease income of \$0.2 million as of September 30, 2012. The table below represents activity related to these actions.

	Severance and Benefits	Facility Exit Costs (in thousands)	Total
Pre-2011 Activities			
Balance at December 31, 2010	\$ 712	\$ 3,263	\$ 3,975
Provision	117		117
Change in estimate	155	(485)	(330)
Cash payments	(984)	(916)	(1,900)
Balance at December 31, 2011		1,862	1,862
Cash payments		(189)	(189)
Balance at April 1, 2012		1,673	1,673
Cash payments		(209)	(209)
Balance at July 1, 2012		1,464	1,464
Cash payments		(175)	(175)
Balance at September 30, 2012	\$	\$ 1,289	\$ 1,289
2011 Activities			
<i>Q1 2011 Activity:</i>			
Provision	\$ 572	\$	\$ 572
Cash payments	(476)		(476)
Balance at December 31, 2011	96		96
Cash payments	(96)		(96)
Balance at April 1, 2012	\$	\$	\$
<i>Q2 2011 Activity:</i>			
Provision	\$ 344	\$	\$ 344
Cash payments	(115)		(115)
Balance at December 31, 2011	229		229
Cash payments	(229)		(229)
Balance at April 1, 2012	\$	\$	\$
2012 Activities			
<i>Q2 2012 Activity:</i>			
Provision	\$ 286	\$	\$ 286
Balance at July 1, 2012	286		286

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Change in estimate	(4)		(4)
Cash payments	(282)		(282)
Balance at September 30, 2012	\$	\$	\$
<i>Q3 2012 Activity:</i>			
Provision	\$ 687	\$	\$ 687
Cash payments	(327)		(327)
Balance at September 30, 2012	\$ 360	\$	\$ 360
Balance at September 30, 2012	\$ 360	\$ 1,289	\$ 1,649

Table of Contents

During the nine months ended September 30, 2012, Teradyne recorded the following restructuring charges:

Q3 2012 Action:

\$0.7 million of severance charges related to headcount reductions of 9 people, of which \$0.5 million and 7 people were in Systems Test Group, \$0.2 million and 2 people in Wireless Test.

N. Retirement Plans**Defined Benefit Pension Plans**

Teradyne has defined benefit pension plans covering a portion of domestic employees and employees of certain non-U.S. subsidiaries. Benefits under these plans are based on employees' years of service and compensation. Teradyne's funding policy is to make contributions to these plans in accordance with local laws and to the extent that such contributions are tax deductible. The assets of these plans consist primarily of fixed income and equity securities. In addition, Teradyne has an unfunded supplemental executive defined benefit plan in the United States to provide retirement benefits in excess of levels allowed by the Employment Retirement Income Security Act (ERISA) and the Internal Revenue Code (IRC), as well as unfunded foreign plans.

Components of net periodic pension cost for all plans were as follows:

	For the Three Months Ended		For the Nine Months Ended	
	September 30, 2012	October 2, 2011	September 30, 2012	October 2, 2011
	(in thousands)			
Service cost	\$ 685	\$ 656	\$ 2,054	\$ 2,092
Interest cost	4,111	4,380	12,333	13,164
Expected return on plan assets	(4,090)	(3,902)	(12,269)	(11,720)
Amortization of unrecognized prior service cost	58	155	174	466
Settlement loss				680
Actuarial loss	1,937		5,083	4,279
Total net periodic pension cost	\$ 2,701	\$ 1,289	\$ 7,375	\$ 8,961

In the nine months ended September 30, 2012, Teradyne contributed \$2.6 million to its defined benefit pension plans.

During the three months ended September 30, 2012, Teradyne offered to certain U.S. employees the option to receive their vested pension benefit as a one-time lump sum payment. Approximately 2,000 former employees selected to receive a one-time lump sum payment. Total one-time lump sum payments are expected to be approximately \$52.0 million, of which \$39.5 million was paid in the three months ended September 30, 2012, and the remainder is expected to be paid before December 31, 2012.

Post-Retirement Benefit Plans

In addition to receiving pension benefits, U.S. Teradyne employees who meet early retirement eligibility requirements as of their termination dates may participate in Teradyne's Welfare Plan, which includes death, and medical and dental benefits up to age 65. Death benefits provide a fixed sum to retirees' survivors and are available to all retirees. Substantially all of Teradyne's current U.S. employees could become eligible for these benefits, and the existing benefit obligation relates primarily to those employees.

Table of Contents

Components of net periodic post-retirement cost were as follows:

	For the Three Months Ended		For the Nine Months Ended	
	September 30, 2012	October 2, 2011	September 30, 2012	October 2, 2011
	(in thousands)			
Service cost	\$ 17	\$ 15	\$ 50	\$ 45
Interest cost	109	135	328	405
Amortization of unrecognized prior service benefit	(150)	(150)	(449)	(449)
Actuarial gain			(92)	(76)
Total net periodic post-retirement cost	\$ (24)	\$	\$ (163)	\$ (75)

O. Commitments and Contingencies**Purchase Commitments**

As of September 30, 2012, Teradyne had entered into purchase commitments for certain components and materials. The purchase commitments aggregate to approximately \$217.6 million, of which \$214.4 million is for less than one year.

Legal Claims

Teradyne is subject to various legal proceedings and claims which have arisen in the ordinary course of business. In the opinion of management, the ultimate disposition of these matters will not have a material adverse effect on Teradyne's results of operations, financial condition or cash flows.

P. Income Taxes

Teradyne's effective tax rate for the three and nine months ended September 30, 2012 was 13.96% and 21.15%, respectively. Teradyne's effective tax rate for the three and nine months ended October 2, 2011 was 3.01% and 6.56%, respectively. Teradyne's effective tax rate is usually less than the 35 percent U.S. statutory tax rate primarily due to the geographic mix of income and profits earned by Teradyne's international subsidiaries being taxed at rates lower than the U.S. statutory rate. The effective tax rate for the three and nine months ended September 30, 2012, and the related income tax expense included approximately \$13 million of a deferred income tax benefit recorded in connection with Teradyne's plan to repatriate unremitted earnings of its Japanese subsidiary. The effective tax rate for the three and nine months ended October 2, 2011, included the effect of a full valuation allowance on Teradyne's deferred tax assets in the U.S. and Singapore.

Q. Segment Information

Teradyne has three operating segments (Semiconductor Test, Systems Test Group and Wireless Test), which are its reportable segments. The Semiconductor Test segment includes operations related to the design, manufacturing and marketing of semiconductor test products and services. The Systems Test Group segment includes operations related to design, manufacturing and marketing of products and services for military/aerospace instrumentation test, storage test and circuit-board test. The Wireless Test segment includes operations related to design, manufacturing and marketing of wireless test products and services. Each operating segment has a segment manager who is directly accountable to and maintains regular contact with Teradyne's chief operating decision maker (Teradyne's chief executive officer) to discuss operating activities, financial results, forecasts, and plans for the segment.

Table of Contents

Teradyne evaluates performance based on several factors, of which the primary financial measure is business segment income before income taxes. The accounting policies of the business segments are the same as those described in Note B Accounting Policies in Teradyne's Annual Report on Form 10-K for the year ended December 31, 2011. Segment information is as follows:

	Semiconductor Test	Systems Test Group	Wireless Test (in thousands)	Corporate and Eliminations	Consolidated
Three months ended September 30, 2012:					
Net revenues	\$ 310,979	\$ 33,844	\$ 118,571	\$	\$ 463,394
Income (loss) from continuing operations before income taxes(1)(2)	55,348	(2,642)	58,902	(8,583)	103,025
Three months ended October 2, 2011:					
Net revenues	\$ 241,394	\$ 102,995	\$	\$	\$ 344,389
Income (loss) from continuing operations before income taxes(1)(2)	37,244	25,563		(4,342)	58,465
Nine months ended September 30, 2012:					
Net revenues	\$ 943,625	\$ 202,894	\$ 261,827	\$	\$ 1,408,346
Income (loss) from continuing operations before income taxes(1)(2)	181,594	30,964	97,729	(14,026)	296,261
Nine months ended October 2, 2011:					
Net revenues	\$ 903,740	\$ 228,329	\$	\$	\$ 1,132,069
Income (loss) from continuing operations before income taxes(1)(2)	205,144	39,877		(15,209)	229,812

- (1) Pension and post retirement actuarial gains and losses, interest income, and interest expense and other are included in Corporate and Eliminations.
- (2) Included in the income (loss) from continuing operations before income taxes for each of the segments are charges and credits for the three and nine months ended September 30, 2012 and October 2, 2011 that include restructuring and other, net, and provision for excess and obsolete inventory, as follows:

Included in the Semiconductor Test segment are charges for the following:

	For the Three Months Ended		For the Nine Months Ended	
	September 30, 2012	October 2, 2011	September 30, 2012	October 2, 2011
Cost of revenues provision for excess and obsolete inventory	\$ 3,085	\$ 4,202	\$ 9,254	\$ 10,144
Restructuring and other, net	(4)	137	315	2,307
Total	\$ 3,081	\$ 4,339	\$ 9,569	\$ 12,451

Table of Contents

Included in the Systems Test Group segment are charges and credits for the following:

	For the Three Months Ended		For the Nine Months Ended	
	September 30, 2012	October 2, 2011	September 30, 2012	October 2, 2011
	(in thousands)			
Cost of revenues provision for excess and obsolete inventory	\$ 378	\$ 211	\$ 3,020	\$ 612
Restructuring and other, net	451		451	(246)
Total	\$ 829	\$ 211	\$ 3,471	\$ 366

Included in the Wireless Test segment are charges for the following:

	For the Three Months Ended		For the Nine Months Ended	
	September 30, 2012	October 2, 2011	September 30, 2012	October 2, 2011
	(in thousands)			
Cost of revenues inventory step-up	\$	\$	\$ 6,089	\$
Cost of revenues provision for excess and obsolete inventory	2,018		4,134	
Restructuring and other, net	236		236	
Total	\$ 2,254	\$	\$ 10,459	\$

Included in Corporate and Eliminations are charges and credits for the following:

	For the Three Months Ended		For the Nine Months Ended	
	September 30, 2012	October 2, 2011	September 30, 2012	October 2, 2011
	(in thousands)			
Restructuring and other, net	\$	\$ 1,328	\$ (8,406)	\$ 1,096
Total	\$	\$ 1,328	\$ (8,406)	\$ 1,096

R. Stock Repurchase Program

In November 2010, Teradyne's board of directors authorized a stock repurchase program for up to \$200 million. In the three and nine months ended September 30, 2012, Teradyne did not repurchase any shares. In the three and nine months ended October 2, 2011, Teradyne repurchased 2.0 million shares of common stock for \$23.9 million at an average price of \$12.06. Cumulatively, as of September 30, 2012, Teradyne has repurchased 2.6 million shares of common stock for \$31.2 million at an average price of \$11.84.

Table of Contents

Item 2: Management's Discussion and Analysis of Financial Condition and Results of Operations

Statements in this Quarterly Report on Form 10-Q which are not historical facts, so called forward looking statements, are made pursuant to the safe harbor provisions of Section 21E of the Securities Exchange Act of 1934, as amended. Investors are cautioned that all forward looking statements involve risks and uncertainties, including those detailed in our filings with the Securities and Exchange Commission. See also Part II, Item 1A of this Quarterly Report on Form 10-Q and Part I, Item 1A Risk Factors in our Annual Report on Form 10-K for the year ended December 31, 2011. Readers are cautioned not to place undue reliance on these forward-looking statements which reflect management's analysis only as of the date hereof. We assume no obligation to update these forward-looking statements to reflect actual results or changes in factors or assumptions affecting forward-looking statements, except as may be required by law.

Overview

We are a leading global supplier of automatic test equipment. We design, develop, manufacture, and sell automatic test systems and solutions used to test complex electronics in the consumer electronics, automotive, computing, telecommunications, wireless, and aerospace and defense industries. Our automatic test equipment products and services include:

semiconductor test (Semiconductor Test) systems,

military/aerospace (Mil/Aero) test instrumentation and systems, storage test (Storage Test) systems, and circuit-board test and inspection (Commercial Board Test) systems (collectively these products represent Systems Test Group), and

wireless test (Wireless Test) systems.

We have a broad customer base which includes integrated device manufacturers (IDMs), outsourced semiconductor assembly and test providers (OSATs), wafer foundries, fabless companies that design, but contract with others for the manufacture of integrated circuits (ICs), developers of wireless devices and consumer electronics, manufacturers of circuit boards, automotive suppliers, wireless product manufacturers, storage device manufacturers, aerospace and military contractors as well as the United States Department of Defense.

The sales of our products and services are dependent, to a large degree, on customers who are subject to fluctuating and seasonal demand for their products. This market dynamic has had, and will continue to have, a significant effect on our business since our customers often delay or accelerate purchases in reaction to changes in their businesses and to demand fluctuations in the semiconductor and electronics industries.

We believe our acquisitions of Nextest, Eagle Test and LitePoint, and our entry into the storage test market have enhanced our opportunities for growth. We will continue to invest in our businesses to expand further our addressable markets while tightly managing our costs.

Critical Accounting Policies and Estimates

We have identified the policies which are critical to understanding our business and our results of operations. Except as noted below, there have been no significant changes during the nine months ended September 30, 2012 to the items disclosed as our critical accounting policies and estimates in Management's Discussion and Analysis of Financial Condition and Results of Operations in our Annual Report on Form 10-K for the fiscal year ended December 31, 2011.

Table of Contents

Effective January 1, 2012, we changed the method of recognizing actuarial gains and losses for our defined benefit pension plans and postretirement benefit plan and calculating the expected return on plan assets for our defined benefit pension plans. Historically, we recognized net actuarial gains and losses in accumulated other comprehensive income within shareholders' equity on our consolidated balance sheets on an annual basis and amortized them into operating results over the average remaining years of service of the plan participants, to the extent such gains and losses were outside of a range ("corridor"). We have elected to immediately recognize net actuarial gains and losses and the change in the fair value of the plan assets in our operating results in the year in which they occur or upon any interim remeasurement of the plans. In addition, we used to calculate the expected return on plan assets using a calculated market-related value of plan assets. We have also elected to calculate the expected return on plan assets using the fair value of the plan assets.

We believe that this new method is preferable as it eliminates the delay in recognizing gains and losses in our operating results and it will improve the transparency by faster recognition of the effects of economic and interest rate trends on plan obligations and investments. These actuarial gains and losses are generally measured annually as of December 31 and, accordingly, will be recorded during the fourth quarter of each year or upon any interim remeasurement of the plans. In accordance with Financial Accounting Standards Board Accounting Standards Codification Topic 250, Accounting Changes and Error Corrections, all prior periods presented in this Quarterly Report on Form 10-Q have been adjusted to apply the new accounting method retrospectively. This accounting change did not impact the financial position of the reportable segments.

Table of Contents

**SELECTED RELATIONSHIPS WITHIN THE CONDENSED CONSOLIDATED
STATEMENTS OF OPERATIONS**

	For the Three Months Ended		For the Nine Months Ended	
	September 30, 2012	October 2, 2011	September 30, 2012	October 2, 2011
Percentage of total net revenues:				
Net revenues:				
Products	85%	80%	86%	82%
Services	15	20	14	18
Total net revenues	100	100	100	100
Cost of revenues:				
Cost of products	37	40	39	40
Cost of services	7	10	7	9
Total cost of revenues	44	51	46	49
Gross profit	56	49	54	51
Operating expenses:				
Engineering and development	14	13	13	12
Selling and administrative	15	16	15	15
Acquired intangible asset amortization	4	2	4	2
Restructuring and other, net			(1)	
Total operating expenses	33	32	32	30
Income from operations	23	18	22	21
Interest income		1		1
Interest expense and other	(1)	(2)	(1)	(2)
Income from continuing operations before income taxes	22	17	21	20
Income tax provision	3	1	4	1
Income from continuing operations	19	16	17	19
Income from discontinued operations before income taxes				
Income tax benefit				
Income from discontinued operations				
Gain on disposal of discontinued operations				2
Net income	19%	16%	17%	21%

Results of Operations*Third Quarter 2012 Compared to Third Quarter 2011**Book to Bill Ratio*

Book to bill ratio is calculated as net bookings divided by net sales. Book to bill ratio by reportable segment was as follows:

	For the Three Months Ended	
	September 30, 2012	October 2, 2011
Semiconductor Test	0.5	0.8
Systems Test Group	0.7	0.4
Wireless Test	0.4	
Total Company	0.5	0.7

Table of Contents*Revenues*

Net revenues by reportable segments were as follows:

	For the Three Months Ended		Dollar Change
	September 30, 2012	October 2, 2011 (in millions)	
Semiconductor Test	\$ 311.0	\$ 241.4	\$ 69.6
Systems Test Group	33.8	103.0	(69.2)
Wireless Test	118.6		118.6
	\$ 463.4	\$ 344.4	\$ 119.0

The increase of \$69.6 million or 29% in Semiconductor Test revenues was due to an increase in System-on-a-Chip product revenue partially offset by a decrease in memory product revenue. The decrease in Systems Test Group revenue of \$69.2 million or 67% was primarily due to a decrease in sales of Storage Test systems. The acquisition of LitePoint, which is our Wireless Test segment, completed in October of 2011, added \$118.6 million of revenue in the three months ended September 30, 2012.

Our revenues by region as a percentage of total net revenue were as follows:

	For the Three Months Ended	
	September 30, 2012	October 2, 2011
China	29%	13%
Korea	19	8
Taiwan	17	10
United States	12	16
Japan	7	12
Europe	5	7
Malaysia	3	11
Singapore	3	8
Philippines	3	6
Thailand	1	8
Rest of World	1	1
	100%	100%

Gross Profit

Our gross profit was as follows:

	For the Three Months Ended		Dollar/Point Change
	September 30,	October 2,	

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	2012	2011 (in millions)	
Gross Profit	\$ 260.2	\$ 170.4	\$ 89.8
Percent of Total Revenue	56.2%	49.5%	6.7

Gross profit as a percent of revenue increased by 6.7 percentage points primarily due to the addition of LitePoint, which had its highest quarterly revenue in its history.

Table of Contents

We assess the carrying value of our inventory on a quarterly basis by estimating future demand and comparing that demand against on-hand and on-order inventory positions. Forecasted revenue information is obtained from the sales and marketing groups and incorporates factors such as backlog and future revenue demand. This quarterly process identifies obsolete and excess inventory. Obsolete inventory, which represents items for which there is no demand, is fully reserved. Excess inventory, which represents inventory items that are not expected to be consumed during the next four quarters, is written-down to estimated net realizable value.

During the three months ended September 30, 2012, we recorded an inventory provision of \$5.5 million included in cost of revenues, due to the following factors:

A \$3.1 million inventory write-down as a result of product transition related to the Flex Test Platform in Semiconductor Test.

A \$2.0 million inventory write-down as a result of product transition in Wireless Test.

The remainder of the charge of \$0.4 million reflects downward revisions to previously forecasted demand levels in Systems Test Group.

During the three months ended October 2, 2011, we recorded an inventory provision of \$4.4 million included in cost of revenues, due to the downward revisions to previously forecasted demand levels. Of the \$4.4 million of total excess and obsolete provisions recorded in the three months ended October 2, 2011, \$4.2 million was related to Semiconductor Test and \$0.2 million was related to Systems Test Group.

During the three months ended September 30, 2012 and October 2, 2011, we scrapped \$1.1 million and \$4.2 million of inventory, respectively. During the three months ended September 30, 2012 and October 2, 2011, we sold \$0.7 million and 1.5 million, respectively, of previously written-down or written-off inventory. As of September 30, 2012, we had inventory related reserves for amounts which had been written-down or written-off totaling \$132.4 million. We have no pre-determined timeline to scrap the remaining inventory.

Engineering and Development

Engineering and development expenses were as follows:

	For the Three Months Ended		Dollar Change
	September 30, 2012	October 2, 2011 (in millions)	
Engineering and Development	\$ 63.1	\$ 45.9	\$ 17.2
Percent of Total Revenue	13.6%	13.3%	

The increase of \$17.2 million in engineering and development expenses is due primarily to additional costs of \$9.6 million related to LitePoint which was acquired in October 2011 and increased spending on engineering projects.

Selling and Administrative

Selling and administrative expenses were as follows:

	For the Three Months Ended		Dollar Change
	September 30, 2012	October 2, 2011	

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(in millions)

Selling and Administrative	\$ 69.9
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