

RUDOLPH TECHNOLOGIES INC
Form 10-Q
August 02, 2012
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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 June 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. 000-27965

RUDOLPH TECHNOLOGIES, INC.
(Exact name of registrant as specified in its charter)

Delaware	22-3531208
(State or other jurisdiction of incorporation or organization)	(I.R.S. Employer Identification Number)
One Rudolph Road, PO Box 1000, Flanders, New Jersey 07836	
(Address of principal executive offices, including zip code)	
Registrant's telephone number, including area code: (973) 691-1300	

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 [X] 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 (Section 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 [X] 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 definition of "large accelerated filer", "accelerated filer", and "smaller reporting company" in Rule 12b-2 of the Securities Exchange Act.

Large accelerated filer [] Accelerated filer [X] Non-accelerated filer [] Smaller reporting company []
(Do not check if a 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 [X]

The number of outstanding shares of the Registrant's Common Stock on July 20, 2012 was 32,284,208.

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PART I FINANCIAL INFORMATION

Item 1. Financial Statements

RUDOLPH TECHNOLOGIES, INC.
 CONDENSED CONSOLIDATED BALANCE SHEETS
 (In thousands)

	June 30, 2012 (unaudited)	December 31, 2011
ASSETS		
Current Assets:		
Cash and cash equivalents	\$90,020	\$96,671
Marketable securities	78,902	70,888
Accounts receivable, less allowance of \$430 as of June 30, 2012 and \$262 as of December 31, 2011	53,174	41,036
Inventories	54,996	49,501
Prepaid expenses and other current assets	5,519	5,005
Total current assets	282,611	263,101
Property, plant and equipment, net	11,179	12,530
Goodwill	11,269	4,492
Identifiable intangible assets, net	6,982	7,814
Other assets	17,921	17,974
Total assets	\$329,962	\$305,911
LIABILITIES AND STOCKHOLDERS' EQUITY		
Current liabilities:		
Accounts payable and accrued liabilities	\$20,253	\$12,201
Other current liabilities	21,125	16,656
Total current liabilities	41,378	28,857
Convertible senior notes	47,737	46,524
Other non-current liabilities	8,736	8,752
Total liabilities	97,851	84,133
Commitments and contingencies		
Stockholders' equity:		
Common stock	32	32
Additional paid-in capital	407,795	405,505
Accumulated other comprehensive loss	(1,627	) (1,462
Accumulated deficit	(174,089	) (182,297
Total stockholders' equity	232,111	221,778
Total liabilities and stockholders' equity	\$329,962	\$305,911

The accompanying notes are an integral part of these financial statements.

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RUDOLPH TECHNOLOGIES, INC.
 CONDENSED CONSOLIDATED STATEMENTS OF OPERATIONS
 (In thousands, except per share data)
 (Unaudited)

	Three Months Ended		Six Months Ended	
	June 30,		June 30,	
	2012	2011	2012	2011
Revenues	\$56,326	\$51,543	\$102,035	\$102,142
Cost of revenues	26,104	23,684	48,048	46,986
Gross profit	30,222	27,859	53,987	55,156
Operating expenses:				
Research and development	9,385	9,550	19,187	18,445
Selling, general and administrative	9,934	9,858	19,113	19,733
Amortization	416	444	832	887
Total operating expenses	19,735	19,852	39,132	39,065
Operating income	10,487	8,007	14,855	16,091
Interest income (expense)	(1,079)	43	(2,155)	85
Other income (expense)	523	(120)	104	(96)
Income before income taxes	9,931	7,930	12,804	16,080
Provision for income taxes	3,585	973	4,596	2,384
Net income	\$6,346	\$6,957	\$8,208	\$13,696
Earnings per share:				
Basic	\$0.20	\$0.22	\$0.26	\$0.43
Diluted	\$0.19	\$0.22	\$0.25	\$0.43
Weighted average shares outstanding:				
Basic	32,144	31,589	32,110	31,626
Diluted	32,727	32,038	32,745	32,117

The accompanying notes are an integral part of these financial statements.

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RUDOLPH TECHNOLOGIES, INC.

CONDENSED CONSOLIDATED STATEMENTS OF COMPREHENSIVE INCOME

(In thousands)

(Unaudited)

	Three Months Ended		Six Months Ended	
	June 30,		June 30,	
	2012	2011	2012	2011
Net income	\$6,346	\$6,957	\$8,208	\$13,696
Other comprehensive income, net of tax:				
Change in net unrealized losses on investments, net of tax	24	(1	) 1	(6
Change in currency translation adjustments	(352	) 293	(166	) 172
Total comprehensive income	\$6,018	\$7,249	\$8,043	\$13,862

The accompanying notes are an integral part of these financial statements.

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RUDOLPH TECHNOLOGIES, INC.
 CONDENSED CONSOLIDATED STATEMENTS OF CASH FLOWS
 (In thousands)
 (Unaudited)

	Six Months Ended	
	June 30,	
	2012	2011
Cash flows from operating activities:		
Net income	\$8,208	\$13,696
Adjustments to reconcile net income to net cash and cash equivalents provided by operating activities:		
Amortization of intangibles and other	1,012	1,063
Amortization of convertible note discount and issuance costs	1,332	—
Depreciation	1,986	2,128
Foreign currency exchange (gain) loss	(105	) 96
Share-based compensation	2,018	2,537
Provision for doubtful accounts and inventory valuation	949	922
Change in operating assets and liabilities excluding effects of business combination:		
Accounts receivable	(11,777	) 8,542
Inventories	(5,056	) (5,150)
Prepaid expenses and other assets	(2,334	) (669)
Accounts payable and accrued liabilities	7,089	873
Other current liabilities	6,337	(1,358)
Non-current liabilities	25	9
Net cash and cash equivalents provided by operating activities	9,684	22,689
Cash flows from investing activities:		
Purchases of marketable securities	(51,648	) (4,105)
Proceeds from sales of marketable securities	43,774	199
Purchase of business	(7,640) —
Purchases of property, plant and equipment	(909	) (1,159)
Net cash and cash equivalents used in investing activities	(16,423	) (5,065)
Cash flows from financing activities:		
Issuance of shares through share-based compensation plans	101	161
Tax benefit for sale of shares through share-based compensation plans	171	542
Net cash and cash equivalents provided by financing activities	272	703
Effect of exchange rate changes on cash and cash equivalents	(184	) (717)
Net increase (decrease) in cash and cash equivalents	(6,651	) 17,610
Cash and cash equivalents at beginning of period	96,671	71,120
Cash and cash equivalents at end of period	\$90,020	\$88,730
Supplemental disclosure of cash flow information:		
Income taxes paid	\$1,079	\$2,058
Interest paid	\$1,063	\$—

The accompanying notes are an integral part of these financial statements.

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RUDOLPH TECHNOLOGIES, INC.

NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS

(In thousands, except per share data)

(Unaudited)

NOTE 1. Basis of Presentation

The accompanying interim unaudited condensed consolidated financial statements have been prepared by Rudolph Technologies, Inc. (the “Company” or “Rudolph”) and in the opinion of management reflect all adjustments, consisting of normal recurring accruals, necessary for their fair presentation in accordance with accounting principles generally accepted in the United States of America. Preparing financial statements requires management to make estimates and assumptions that affect amounts reported in the financial statements and accompanying notes. Actual amounts could differ materially from those amounts. The interim results for the three and six month periods ended June 30, 2012 are not necessarily indicative of results to be expected for the entire year. This interim financial information should be read in conjunction with the financial statements and the notes thereto included in the Company’s Annual Report on Form 10-K for the year ended December 31, 2011 filed with the Securities and Exchange Commission (“SEC”).

Recent Accounting Pronouncements

In December 2011, the Financial Accounting Standards Board (FASB) issued ASU No. 2011-11, “Balance Sheet (Topic 210): Disclosures about Offsetting Assets and Liabilities.” The ASU requires an entity to disclose information about offsetting and related arrangements to enable users of its financial statements to understand the effect of those arrangements on its financial position. This ASU is effective for annual reporting periods beginning on or after January 1, 2013, and interim periods within those annual periods. The Company does not believe that this guidance will have a material impact on its consolidated financial position, result of operations, or cash flows.

In September 2011, the FASB issued ASU No. 2011-08, “Intangibles-Goodwill and Other (Topic 350): Testing Goodwill for Impairment.” The ASU is to simplify how entities, both public and non public, test goodwill for impairment. The amendments in the ASU permit an entity to first assess qualitative factors to determine whether it is more likely than not that the fair value of a reporting unit is less than its carrying amount as a basis for determining whether it is necessary to perform the two -step goodwill impairment test described in Topic 350. The more-likely-than-not threshold is defined as having a likelihood of more than 50 percent. This ASU is effective for annual and interim goodwill impairment tests performed for fiscal years beginning after December 15, 2011. The adoption of this ASU did not have a material impact on the Company’s consolidated financial position, results of operations, or cash flows.

In June 2011, the FASB issued ASU No. 2011-05, “Comprehensive Income (Topic 220): Presentation of Comprehensive Income.” The ASU is to improve the comparability, consistency, and transparency of financial reporting and to increase the prominence of items reported in other comprehensive income and to facilitate convergence of U.S. generally accepted accounting principles (GAAP) and International Financial Reporting Standards (IFRS). The FASB decided to eliminate the option to present components of other comprehensive income as part of the statement of changes in stockholders’ equity, among other amendments in this ASU. In December 2011, the FASB issued Accounting Standards Update (ASU) No. 2011-12, “Comprehensive Income (Topic 220): Deferral of the Effective Date for Amendments to the Presentation of Reclassifications of Items Out of Accumulated Other Comprehensive Income in Accounting Standards Update No. 2011-05.” The ASU is to defer only those changes in ASU No. 2011-05 that relate to the presentation of reclassification adjustments. The amendments are being made to allow the FASB time to redeliberate whether to present on the face of the financial statements the effects of reclassifications out of accumulated other comprehensive income on the components of net income and other comprehensive income for all periods presented. These ASU's are effective for fiscal years and interim periods within those years, beginning after December 15, 2011. Other than a change in presentation, the adoption of this guidance did not have a material impact on the Company’s consolidated financial position, results of operations, or cash flows, as it is disclosure-only in nature.

In May 2011, the FASB issued ASU No. 2011-04, “Fair Value Measurement (Topic 820): Amendments to Achieve Common Fair Value Measurement and Disclosure Requirements in U.S. GAAP and IFRS.” The ASU will improve the

comparability of fair value measurements presented and disclosed in financial statements prepared in accordance with U.S. GAAP and IFRS. This ASU is effective during interim and annual periods beginning after December 15, 2011. The adoption of this ASU did not have a material impact on the Company's consolidated financial position, results of operations, or cash flows.

NOTE 2. Business Combinations

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On June 21, 2012, the Company announced that it had acquired specific assets and liabilities of NanoPhotonics GmbH, located in Mainz, Germany. The acquired business will be integrated into the Company's inspection technology group. The impact of the acquisition was not material to the Company's consolidated financial position or results of operations. The Company has made a preliminary allocation of the purchase price to the assets acquired and liabilities assumed as of the acquisition date. The excess of the purchase price less the amount allocated to the net identifiable assets has been classified in goodwill. The Company expects to finalize its analysis of the intangible assets acquired within the first year of the acquisition, and therefore adjustments to goodwill and identifiable intangible assets will occur. The results of operations of the acquired business subsequent to its acquisition have not been included in the Company's unaudited condensed consolidated statements of operations.

NOTE 3. Fair Value Measurements

The Company applies a three-level valuation hierarchy for fair value measurements. This hierarchy prioritizes the inputs into three broad levels. Level 1 inputs are quoted prices (unadjusted) in active markets for identical assets or liabilities. Level 2 inputs are quoted prices for similar assets and liabilities in active markets or inputs that are observable for the asset or liability, either directly or indirectly through market corroboration, for substantially the full term of the asset or liability. Level 3 inputs are unobservable inputs based on management's assumptions used to measure assets and liabilities at fair value. A financial asset's or liability's fair value measurement classification within the hierarchy is determined based on the lowest level input that is significant to the fair value measurement.

The following tables provide the assets carried at fair value measured on a recurring basis at June 30, 2012 and December 31, 2011:

	Carrying Value	Fair Value Measurements Using		
		Quoted Prices in Active Markets for Identical Assets (Level 1)	Significant Observable Inputs (Level 2)	Other Significant Unobservable Inputs (Level 3)
June 30, 2012				
Available-for-sale debt securities:				
Municipal notes and bonds	\$78,523	\$78,523	\$—	\$—
Auction rate securities	379	—	—	379
Total available-for-sale debt securities	78,902	78,523	—	379
Derivatives:				
Foreign currency forward contracts	(64	) (64) —	—
Total derivatives	(64	) (64) —	—
Total	\$78,838	\$78,459	\$—	\$379
December 31, 2011				
Available-for-sale debt securities:				
Municipal notes and bonds	\$70,525	\$70,525	\$—	\$—
Auction rate securities	363	—	—	363
Total available-for-sale debt securities	70,888	70,525	—	363
Derivatives:				
Foreign currency forward contracts	99	99	—	—
Total derivatives	99	99	—	—
Total	\$70,987	\$70,624	\$—	\$363

The Company's investments classified as Level 1 are based on quoted prices that are available in active markets. The foreign currency forward contracts are primarily measured based on the foreign currency spot and forward rates quoted by the banks or foreign currency dealers. The municipal notes and bonds are measured based on quoted market

prices.

Level 2 investments are valued using observable inputs to quoted market prices, benchmark yields, reported trades, broker/dealer quotes or alternative pricing sources with reasonable levels of price transparency. Investment prices are obtained from third party pricing providers, which models prices utilizing the above observable inputs, for each asset class.

Level 3 investments consist of an auction rate security for which the Company uses a discounted cash flow model to

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value this investment. The Level 3 assumptions used in preparing the discounted cash flow model included estimates of interest rates of 2.3%, timing and amount of cash flows and expected holding periods of the auction rate security, based on data available as of June 30, 2012. Changes in the unobservable input values would be unlikely to cause material changes in the fair value of the auction rate security.

This table presents a reconciliation for all assets and liabilities measured at fair value on a recurring basis using significant unobservable inputs (Level 3) for the six months ended June 30, 2012:

	Fair Value Measurements Using Significant Unobservable Inputs (Level 3)
Balance at December 31, 2011	\$363
Unrealized gain in accumulated other comprehensive income	16
Purchases, sales, issuances, and settlements	—
Transfers into (out of) Level 3	—
Balance at June 30, 2012	\$379

See Note 4 for additional discussion regarding the fair value of the Company's marketable securities.

Fair Value of Other Financial Instruments

The carrying value of cash and cash equivalents, accounts receivable, accounts payable and accrued liabilities approximates fair value because of the short maturity of these instruments. The estimated fair value of these obligations is based, primarily, on a market approach, comparing the Company's interest rates to those rates the Company believes it would reasonably receive upon re-entry into the market. Judgment is required to estimate the fair value, using available market information and appropriate valuation methods.

The Company's convertible senior notes are not publicly traded. The carrying amount of the Company's convertible senior notes was \$47,737 as of June 30, 2012. The estimated fair value of the Company's convertible senior notes was \$50,238 as of June 30, 2012 and was valued using a discounted cash flow model. The Level 3 assumptions, based on data available as of June 30, 2012, used in preparing the discounted cash flow model included estimates of interest rates 8.6%, timing and amount of cash flows and expected holding periods of the convertible senior notes. The fair value of the contingent interest associated with the convertible notes is \$0 as of June 30, 2012 and is valued quarterly using the present value of expected cash flow models incorporating the probabilities of the contingent events occurring.

NOTE 4. Marketable Securities

The Company has evaluated its investment policies and determined that all of its investment securities are to be classified as available-for-sale. Available-for-sale securities are carried at fair value, with the unrealized gains and losses reported in Stockholders' Equity under the caption "Accumulated other comprehensive loss." Realized gains and losses on available-for-sale securities are included in "Other income (expense)." The Company records other-than-temporary impairment charges for its available-for-sale investments when it intends to sell the securities, it is more-likely-than not that it will be required to sell the securities before a recovery, or when it does not expect to recover the entire amortized cost basis of the securities. The cost of securities sold is based on the specific identification method.

As of June 30, 2012, the Company held one auction-rate security with a fair value of \$379. The underlying asset of the Company's auction-rate security consisted of a municipal bond with an auction reset feature. Due to auction failures in the marketplace, the Company will not have access to these funds unless (a) future auctions occur and are successful, (b) the security is called by the issuer, (c) the Company sells the security in an available secondary market, or (d) the underlying note matures. Currently, there are no active secondary markets. As of June 30, 2012, the Company had recorded a cumulative temporary unrealized impairment loss of \$121 within "Accumulated other comprehensive loss" based upon its assessment of the fair value of this security. The Company believes that this impairment is temporary, as it does not intend to sell this security, the Company will not be required to sell this security before recovery, and the

Company expects to recover the amortized cost basis of this security.

The Company has determined that the gross unrealized losses on its marketable securities at June 30, 2012 and December 31, 2011 are temporary in nature. The Company reviews its investment portfolio to identify and evaluate investments that have indications of possible impairment. Factors considered in determining whether a loss is other-than-temporary include the length of time and extent to which fair value has been less than the cost basis, credit quality and the Company's ability and intent to hold the investment for a period of time sufficient to allow for any anticipated recovery in market value.

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At June 30, 2012 and December 31, 2011, marketable securities are categorized as follows:

	Amortized Cost	Gross Unrealized Holding Gains	Gross Unrealized Holding Losses	Fair Value
June 30, 2012				
Municipal notes and bonds	\$78,482	\$58	\$(17)	) \$78,523
Auction rate securities	500	—	(121)	) 379
Total marketable securities	\$78,982	\$58	\$(138)	) \$78,902
December 31, 2011				
Municipal notes and bonds	\$70,475	\$60	\$(10)	) \$70,525
Auction rate securities	500	—	(137)	) 363
Total marketable securities	\$70,975	\$60	\$(147)	) \$70,888

The amortized cost and estimated fair value of marketable securities classified by the maturity date listed on the security, regardless of the Condensed Consolidated Balance Sheet classification, is as follows at June 30, 2012 and December 31, 2011:

	June 30, 2012		December 31, 2011	
	Amortized Cost	Fair Value	Amortized Cost	Fair Value
Due within one year	\$61,078	\$61,103	\$59,469	\$59,509
Due after one through five years	17,087	17,113	10,587	10,599
Due after five through ten years	212	205	314	312
Due after ten years	605	481	605	468
Total marketable securities	\$78,982	\$78,902	\$70,975	\$70,888

The following table summarizes the estimated fair value and gross unrealized holding losses of marketable securities, aggregated by investment instrument and period of time in an unrealized loss position at June 30, 2012 and December 31, 2011:

	In Unrealized Loss Position For Less Than 12 Months		In Unrealized Loss Position For Greater Than 12 Months	
	Fair Value	Gross Unrealized Losses	Fair Value	Gross Unrealized Losses
June 30, 2012				
Municipal notes and bonds	\$13,122	\$(17)	\$—	\$—
Auction rate securities	—	—	379	(121)
Total	\$13,122	\$(17)	\$379	\$(121)
December 31, 2011				
Municipal notes and bonds	7,291	(10)	—	—
Auction rate securities	—	—	363	(137)
Total	\$7,291	\$(10)	\$363	\$(137)

See Note 3 for additional discussion regarding the fair value of the Company's marketable securities.

NOTE 5. Derivative Instruments and Hedging Activities

The Company, when it considers it to be appropriate, enters into forward contracts to hedge the economic exposures arising from foreign currency denominated transactions. At June 30, 2012 and December 31, 2011, these contracts included the future sale of Japanese Yen to purchase U.S. dollars. The foreign currency forward contracts were entered into by the Company's Japanese subsidiary to economically hedge a portion of certain intercompany obligations. The forward contracts are not designated as hedges for accounting purposes and therefore, the change in fair value is recorded within the caption "Selling, general and administrative expenses" in the Condensed Consolidated Statements of Operations.

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The dollar equivalent of the U.S. dollar forward contracts and related fair values as of June 30, 2012 and December 31, 2011 were as follows:

	June 30, 2012	December 31, 2011
Notional amount	\$3,723	\$2,672
Fair value of asset (liability)	\$(64	) \$99

NOTE 6. Identifiable Intangible Assets and Goodwill

Identifiable Intangible Assets

Identifiable intangible assets as of June 30, 2012 and December 31, 2011 are as follows:

	Gross Carrying Amount	Accumulated Amortization	Net
June 30, 2012			
Developed technology	\$53,826	\$48,549	\$5,277
Customer and distributor relationships	7,446	6,963	483
Trade names	4,361	3,139	1,222
Total identifiable intangible assets	\$65,633	\$58,651	\$6,982
December 31, 2011			
Developed technology	\$53,826	\$47,879	\$5,947
Customer and distributor relationships	7,446	6,905	541
Trade names	4,361	3,035	1,326
Total identifiable intangible assets	\$65,633	\$57,819	\$7,814

Intangible assets amortization expense for the three and six months ended June 30, 2012 was \$416 and \$832, respectively. For the three and six months ended June 30, 2011, intangible assets amortization expense was \$444 and \$887, respectively. Assuming no change in the gross carrying value of identifiable intangible assets and estimated lives, estimated amortization expense for the remainder of 2012 will be \$833, and for each of the next five years estimated amortization expense amounts to \$1,664 for 2013, \$1,405 for 2014, \$1,033 for 2015, \$925 for 2016, and \$537 for 2017.

Goodwill

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

Balance at December 31, 2011	\$4,492
NanoPhotonics GmbH acquisition	6,777
Balance at June 30, 2012	\$11,269

NOTE 7. Balance Sheet Details

Inventories

Inventories are comprised of the following:

	June 30, 2012	December 31, 2011
Materials	\$28,148	\$27,153
Work-in-process	16,628	11,172
Finished goods	10,220	11,176
Total inventories	\$54,996	\$49,501

The Company has established reserves of \$8,183 and \$7,927 as of June 30, 2012 and December 31, 2011, respectively, for slow moving and obsolete inventory, which are included in the amounts above.

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Property, Plant and Equipment

Property, plant and equipment, net is comprised of the following:

	June 30, 2012	December 31, 2011
Land and building	\$4,997	\$4,997
Machinery and equipment	17,588	17,514
Furniture and fixtures	3,433	3,384
Computer equipment	6,675	6,350
Leasehold improvements	6,318	6,329
	39,011	38,574
Accumulated depreciation	(27,832	) (26,044
Total property, plant and equipment, net	\$11,179	\$12,530

Other assets

Other assets is comprised of the following:

	June 30, 2012	December 31, 2011
Deferred income taxes	\$12,213	\$12,240
Capitalized software	382	562
Other	5,326	5,172
Total other assets	\$17,921	\$17,974

Other current liabilities

Other current liabilities is comprised of the following:

	June 30, 2012	December 31, 2011
Litigation accrual	\$4,293	\$4,293
Income tax payable	1,419	—
Deferred revenue	10,377	7,332
Other	5,036	5,031
Total other current liabilities	\$21,125	\$16,656

Other non-current liabilities

Other non-current liabilities is comprised of the following:

	June 30, 2012	December 31, 2011
Unrecognized tax benefits (including interest)	\$6,637	\$6,574
Other	2,099	2,178
Total other non-current liabilities	\$8,736	\$8,752

NOTE 8. Debt Obligations

On July 25, 2011, the Company issued \$60,000 aggregate principal amount of 3.75% Convertible Senior Notes due 2016 (the "Notes") at par. The Notes were issued pursuant to an indenture, dated as of July 25, 2011, between the Company and Bank of New York Mellon Trust Company, N.A., as Trustee, which includes a form of Note. The Notes provide for the payment of

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interest semi-annually in arrears on January 15 and July 15 of each year, beginning January 15, 2012, at an annual rate of 3.75% and will mature on July 15, 2016, unless earlier converted or repurchased. The Notes may be converted, under certain circumstances, based on an initial conversion rate of 77.241 shares of Company common stock per \$1 principal amount of Notes, which represents an initial conversion price of approximately \$12.95 per share.

Concurrently with the issuance of the Notes, the Company purchased a convertible note hedge and sold a warrant. Each of the convertible note hedge and warrant transactions were entered into with an affiliate of the initial purchaser of the Notes. The convertible note hedge is intended to reduce the potential future dilution to the Company's common stock associated with the conversion of the Notes. However, the warrant transaction will have a dilutive effect on the Company's earnings per share to the extent that the price of the Company's common stock exceeds the strike price of the warrant. The strike price of the warrant will initially be \$17.00 per share. The net proceeds to the Company from the sale of the Notes, including the convertible note hedge and warrant were \$50,249.

The following table reflects the net carrying value of the Notes as of June 30, 2012:

	June 30, 2012	December 31, 2011
Convertible senior notes	\$60,000	\$60,000
Less: Unamortized interest discount	(12,263)	(13,476)
Net carrying value of convertible senior notes	\$47,737	\$46,524

The following table presents the amount of interest cost recognized relating to the Notes during the six months ended June 30, 2012.

	June 30, 2012
Contractual interest coupon	\$1,125
Amortization of interest discount	1,213
Amortization of debt issuance costs	119
Total interest cost recognized	\$2,457

The remaining bond discount of the Notes of \$12,263, as of June 30, 2012 will be amortized over the remaining life of the Notes.

NOTE 9. Commitments and Contingencies

Warranty Reserves

Changes in the Company's warranty reserves are as follows:

	Six Months Ended June 30,	
	2012	2011
Balance, beginning of the period	\$1,406	\$1,654
Accruals	1,033	1,216
Warranty liability assumed in acquisition	93	—
Usage	(1,023)	(1,123)
Balance, end of the period	\$1,509	\$1,747

Warranty reserves are reported in the Condensed Consolidated Balance Sheets within the caption "Accounts payable and accrued liabilities."

Legal Matters

From time to time, the Company is subject to legal proceedings and claims in the ordinary course of business. As previously disclosed, in December 2007, the Company completed the acquisition of specific assets and liabilities of the semiconductor division of Applied Precision LLC ("Applied"). As a result of the acquisition, the Company assumed certain liabilities of Applied including a lawsuit filed in the United States District Court, District of Arizona, by Integrated Technology Corporation ("ITC") which alleged Applied's PrecisionPoint™, PrecisionWoRx® and ProbeWoRx® products infringed an ITC patent (Integrated Technology Corporation v. Rudolph Technologies, Inc., No. CV-06-2182-PHX-ROS). Prior to trial, the District Court ruled that such products sold prior to August of 2007 infringed the ITC patent. In December 2011, a trial verdict was rendered in which the jury found that while the Company's products manufactured after August of 2007 did not literally infringe ITC's patent, the products were found

to infringe under a rule known as the doctrine of equivalents, a legal principle which expands the language of patent claims to encompass products or processes which may otherwise be found not to literally infringe the patent. The jury awarded \$15,475

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to ITC in damages for sales made during the years 2000-2011, of which award approximately one-half related to sales made after August 2007. The jury found that for sales made after August of 2007 the infringement was willful. On July 23, 2012, the District Court, responding to post-trial motions filed by the Company and ITC related to the verdict and damages assessment, affirmed the jury's award, applied treble damages to the portion of the jury award related to sales of the products after 2007 and granted ITC's motion for attorney's fees and prejudgment interest on the verdict and attorney's fees. The District Court also enjoined the Company from future infringement of the ITC patent and from selling or supplying the applicable products with the applicable features from or into the United States. The Company intends to appeal the Order, damages assessment and injunction. The Company believes that it has meritorious defenses and shall continue to vigorously prosecute its appeal. With that, it is reasonably possible that the Company could realize a loss in this matter related to products sold after August of 2007 such that in the event that the Company is ultimately found liable, damage estimates related to this case, which have not been accrued for as of June 30, 2012, range from approximately \$25 to \$23,374, exclusive of prejudgment interest or any attorney's fee award. With regard to products sold before August of 2007, it is probable that the Company could realize a loss in this matter for which the Company has estimated and recorded a liability of approximately \$4,293 in "Other liabilities" in the Condensed Consolidated Balance Sheets. While the Company continues to believe that its current PrecisionWoRx® and ProbeWoRx® systems do not infringe ITC's patent, the Company has removed the predictive scrub feature that was found to be at issue in the litigation from all tools sold after the jury verdict.

In the Company's patent infringement suit against Camtek, Ltd., of Migdal Hamek, Israel, concerning the Company's proprietary continuous scan wafer inspection technology, the U.S. Federal Court of Appeals issued a ruling on August 22, 2011. In its opinion, the Appellate Court affirmed multiple rulings from trial at the District Court level including (i) finding the Company's U.S. Patent No. 6,826,298 valid, (ii) the part of the infringement ruling based on the finding that Camtek's Falcon product strobes "based on velocity," and (iii) the dismissal of Camtek's claim against the Company for inequitable conduct against the U.S. Patent and Trademark Office. The court did, however, revise one claim construction ruling made by the District Court in the original case. As a result, the Appellate Court set aside the verdict delivered by the jury for damages and the District Court's decision to enter an injunction against Camtek's selling Falcon tools in the U.S. and remanded the case back to the trial court for a limited trial on this the single infringement issue. No trial date has been set for this limited trial. This lawsuit was initially brought in 2005 by August Technology prior to its merger with the Company.

NOTE 10. Share-Based Compensation

Valuation Assumptions for Stock Options

For the six month period ended June 30, 2012, there were 10 stock options granted. There were no stock options granted in the six month period ended June 30, 2011. The fair value of each option was estimated on the date of grant for the granted options using the Black-Scholes option-pricing model with the following assumptions:

	Six Months Ended		
	June 30,		
	2012	2011	
Expected life (years)	5.0	—	
Expected volatility	86.1	% —	%
Expected dividend yield	—	% —	%
Risk-free interest rate	0.8	% —	%
Weighted average fair value per option	\$5.77	\$—	

As of June 30, 2012 and December 31, 2011, there was \$560 and \$627 of total unrecognized compensation cost related to stock options granted under the Company's stock plans, respectively. That cost is expected to be recognized over a weighted average period of 2.3 years and 1.6 years for the respective periods.

Restricted Stock Unit Activity

A summary of the Company's nonvested restricted stock unit activity with respect to the six month period ended June 30, 2012 is as follows:

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	Number of Shares	Weighted Average Grant Date Fair Value
Nonvested at December 31, 2011	1,465	\$8.01
Granted	343	\$9.99
Vested	(403)	) \$8.43
Forfeited	(15)	) \$8.17
Nonvested at June 30, 2012	1,390	\$8.38

As of June 30, 2012 and December 31, 2011, there was \$7,117 and \$6,049 of total unrecognized compensation cost related to restricted stock units granted under the Company's stock plans, respectively. That cost is expected to be recognized over a weighted average period of 2.5 years and 2.2 years for the respective periods.

NOTE 11. Other Income (Expense)

	Three Months Ended June 30,		Six Months Ended June 30,	
	2012	2011	2012	2011
Foreign currency exchange gains (losses), net	523	(120)	) 105	(96)
Realized losses on sales of marketable securities, net	—	—	(1)) —
Total other income (expense)	\$523	\$(120)	) \$104	\$(96)

NOTE 12. Income Taxes

The following table provides details of income taxes:

	Three Months Ended June 30,		Six Months Ended June 30,	
	2012	2011	2012	2011
Income before income taxes	\$9,931	\$7,930	\$12,804	\$16,080
Provision for income taxes	\$3,585	\$973	\$4,596	\$2,384
Effective tax rate	36.1	% 12.3	% 35.9	% 14.8

The income tax provision for the three and six months ended June 30, 2012 was computed based on the Company's annual forecast of profit by jurisdiction and forecasted effective tax rate for the year. The changes in the Company's effective tax rate for the three and six months ended June 30, 2012 compared to the same periods for the prior year are primarily due to anticipated utilization of federal credits in 2011, which were not available in the 2012 periods by legislation.

The Company currently has a partial valuation allowance recorded against certain deferred tax assets. Each quarter, the Company assesses the likelihood that it will be able to recover its deferred tax assets. The Company considers available evidence, both positive and negative, including historical levels of income, expectations and risks associated with estimates of future taxable income and ongoing prudent and feasible tax planning strategies in assessing the need for a valuation allowance. As a result of the Company's analysis, it concluded that it is more likely than not that a portion of its net deferred tax assets will not be realized. Therefore, the Company continues to provide a valuation allowance against certain net deferred tax assets. The Company continues to closely monitor available evidence and may reverse some or all of the remaining valuation allowance in future periods, if appropriate. The Company has a valuation allowance of \$24,674 as of June 30, 2012.

In the normal course of business, the Company is subject to examination by taxing authorities throughout the world. The Company is currently under a federal income tax examination by the Internal Revenue Service for the tax years ended December 31, 2007 through December 31, 2009. The Company is not under income tax examination by any state, local or foreign tax authority for any open tax year beginning after December 31, 2006.

NOTE 13. Earnings Per Share

Basic earnings per share is calculated using the weighted average number of shares of common stock outstanding during

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the period. Diluted earnings per share is computed in the same manner and also gives effect to all dilutive common equivalent shares outstanding during the period. Potential common shares that would have the effect of increasing diluted earnings per share are considered to be antidilutive. In accordance with U.S. GAAP, these shares were not included in calculating diluted earnings per share. For the three and six months ended June 30, 2012, the weighted average number of stock options excluded from the computation of diluted earnings per share was 1,021 and 1,001, respectively, because its effect was antidilutive. For the three and six months ended June 30, 2011, the weighted average number of stock options and restricted stock units excluded from the computation of diluted earnings per share were 1,594 and 1,603, respectively, because their effect was antidilutive. Diluted earnings per share-weighted average shares outstanding do not include any effect resulting from assumed conversion of the Notes and warrants as their impact would be anti-dilutive.

The Company's basic and diluted earnings per share amounts are as follows:

	Three Months Ended June 30,		Six Months Ended June 30,	
	2012	2011	2012	2011
Numerator:				
Net income	\$6,346	\$6,957	\$8,208	\$13,696
Denominator:				
Basic earnings per share - weighted average shares outstanding	32,144	31,589	32,110	31,626
Effect of potential dilutive securities:				
Employee stock options and restricted stock units - dilutive shares	583	449	635	491
Diluted earnings per share - weighted average shares outstanding	32,727	32,038	32,745	32,117
Earnings per share:				
Basic	\$0.20	\$0.22	\$0.26	\$0.43
Diluted	\$0.19	\$0.22	\$0.25	\$0.43

NOTE 14. Segment Reporting and Geographic Information

The Company has one operating and reportable segment, which is reviewed by the Company's chief decision maker. The Company's chief decision maker is the Chief Executive Officer. The Company is engaged in the design, development, manufacture and support of high-performance process control metrology, defect inspection and data analysis systems used by semiconductor device manufacturers. The Company and its subsidiaries currently operate in a single reportable segment: the design, development, and manufacture of high-performance process control defect inspection, metrology, and process control software systems used by microelectronic device manufactures. The chief decision maker allocates resources and assesses performance of the business and other activities at the reporting segment level.

The following table lists the different sources of revenue:

	Three Months Ended June 30,			Six Months Ended June 30,					
	2012	2011		2012	2011				
Systems and Software:									
Inspection	\$33,949	60	% \$27,850	53	% \$56,805	56	% \$50,952	50	%
Metrology	8,782	16	% 9,160	18	% 19,019	19	% 21,343	21	%
Data Analysis and Review	5,584	10	% 6,004	12	% 10,131	10	% 12,151	12	%
Parts	5,146	9	% 5,590	11	% 10,650	10	% 11,830	11	%
Services	2,865	5	% 2,939	6	% 5,430	5	% 5,866	6	%
Total revenue	\$56,326	100	% \$51,543	100	% \$102,035	100	% \$102,142	100	%

For geographical revenue reporting, revenues are attributed to the geographic location in which the product is shipped.

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Revenue by geographic region is as follows:

	Three Months Ended		Six Months Ended	
	June 30,		June 30,	
	2012	2011	2012	2011
United States	\$8,783	\$12,527	\$18,137	\$25,102
Taiwan	15,269	8,385	23,934	18,533
Japan	4,007	2,403	5,401	6,280
China	4,076	1,853	5,989	8,317
South Korea	10,842	8,358	25,334	13,910
Other Asia	4,899	6,919	10,003	9,807
Austria	4,982	3,665	7,580	6,666
Germany	1,368	5,592	1,741	9,127
Other Europe	2,100	1,841	3,916	4,400
Total revenue	\$56,326	\$51,543	\$102,035	\$102,142

Customers comprising 10% or more of revenue:

	Six Months Ended			
	June 30,			
	2012		2011	
Customer A	18.4	%	8.6	%
Customer B	12.5	%	0.7	%
Customer C	7.5	%	13.1	%
Customer D	7.1	%	13.6	%

NOTE 15. Share Repurchase Program

In July 2008, the Board of Directors authorized a share repurchase program of up to 3,000 shares of the Company's common stock. As of the time of filing this Quarterly Report on Form 10-Q, the Company has not purchased any shares under this program.

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

Certain statements in this Quarterly Report on Form 10-Q are forward-looking statements, including those concerning the benefit to customers of our products and customer service, our expectations of the semiconductor market outlook future revenues, gross profits, research and development and engineering expenses, selling, general and administrative expenses, product introductions, technology development, manufacturing practices, cash requirements and anticipated trends and developments in and management plans for, our business and the markets in which we operate, Rudolph's ability to be successful in managing our cost structure and cash expenditures (including the statement that our existing cash, cash equivalents and marketable securities will be sufficient to meet our anticipated cash requirements for working capital and capital expenditures for the next twelve months) and results of litigation, including ongoing litigation with ITC. The statements contained in this Quarterly Report on Form 10-Q that are not purely historical are 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, as amended (the "Exchange Act") and within the meaning of the Private Securities Litigation Reform Act of 1995. Forward-looking statements may be identified by the words such as, but not limited to, "anticipate," "believe," "expect," "intend," "plan," "should," "may," "could," "will," and words or phrases of similar meaning, relate to our management or us.

The forward-looking statements contained herein reflect our current expectations with respect to future events and are subject to certain risks, uncertainties and assumptions. Actual results may differ materially from those projected in such forward-looking statements for a number of reasons including, but not limited to, the following: variations in the level of orders which can be affected by general economic conditions and growth rates in the semiconductor manufacturing industry and in the markets served by our customers, the global economic and political climates, difficulties or delays in product functionality or performance, the delivery performance of sole source vendors, the timing of future product releases, failure to respond adequately to either changes in technology or customer preferences, changes in pricing by us or our competitors, ability to manage growth, risk of nonpayment of accounts receivable, changes in budgeted costs, our ability to leverage our resources to improve our position in our core markets, our ability to weather difficult economic environments, our ability to open new market opportunities and target high-margin markets, the strength/weakness of the back-end and /or front-end semiconductor market segments, results of litigation, including ongoing litigation with ITC and the "Risk Factors" set forth in Item 1A in our Annual Report on Form 10-K for the year ended December 31, 2011. The forward-looking statements reflect our position as of the date of this report and we undertake no obligation to update any forward-looking statements, whether as a result of new information, future events or otherwise, except as required by law.

Critical Accounting Policies

The preparation of condensed consolidated financial statements and related disclosures in conformity with accounting principles generally accepted in the United States requires management to make judgments, assumptions and estimates that affect the amounts reported. Certain of these significant accounting policies are considered to be critical accounting policies, as defined below.

A critical accounting policy is defined as one that is both material to the presentation of our condensed consolidated financial statements and requires management to make difficult, subjective or complex judgments that could have a material effect on our financial condition or results of operations. Specifically, these policies have the following attributes: (1) we are required to make judgments and assumptions about matters that are highly uncertain at the time of the estimate; and (2) different estimates we could reasonably have used, or changes in the estimate that are reasonably likely to occur, could have a material effect on our financial position and results of operations.

Estimates and assumptions about future events and their effects cannot be determined with certainty. We base our estimates on historical experience and on various other assumptions believed to be applicable and reasonable under the circumstances. These estimates may change as new events occur, as additional information is obtained and as our operating environment changes. These changes have been included in the condensed consolidated financial statements as soon as they became known. In addition, management is periodically faced with uncertainties, the outcomes of which are not within its control and will not be known for prolonged periods of time. Certain of these uncertainties are discussed in our Annual Report on Form 10-K for the year ended December 31, 2011 and in our Quarterly Reports on Form 10-Q filed with the SEC, in each case in the sections entitled "Risk Factors" and "Management's Discussion and

Analysis of Financial Condition and Results of Operations.” Based on a critical assessment of our accounting policies and the underlying judgments and uncertainties affecting the application of those policies, management believes that our condensed consolidated financial statements are fairly stated in accordance with accounting principles generally accepted in the United States of America, and provide a fair presentation of our financial position and results of operations.

For more information, please see our critical accounting policies as previously disclosed in our 2011 Annual Report on Form 10-K.

See Note 1 to the condensed consolidated financial statements included elsewhere in this Quarterly Report on Form 10-Q regarding the impact of recent accounting pronouncements on our financial position and results of operations.

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Results of Operations for the Three and Six Month Periods Ended June 30, 2012 and 2011

We are a worldwide leader in the design, development, manufacture and support of high-performance defect inspection, process control metrology and data analysis systems used by semiconductor device manufacturers. We provide yield management solutions used in both wafer processing and final manufacturing through a family of standalone systems for both macro-defect inspection and transparent and opaque thin film measurements. All of these systems feature production-worthy automation and are backed by worldwide customer support.

Rudolph's business is affected by the annual spending patterns of our customers on semiconductor capital equipment. The amount that our customers devote to capital equipment spending depends on a number of factors, including general worldwide economic conditions as well as other economic drivers such as personal computer, tablet, cell phone, other personal electronic devices and automotive sales. Current forecasts by industry analysts for the semiconductor device manufacturing industry project a year-over-year decrease in capital spending of 0-10% for 2012. We monitor capital equipment spending through announced capital spending plans by our customers and monthly-published industry data such as the book-to-bill ratio. The book-to-bill ratio is a 3-month running statistic that compares bookings or orders placed with capital equipment suppliers to billings or shipments. A book-to-bill above 1.0 shows that semiconductor device equipment manufacturers are ordering equipment at a pace that exceeds the equipment suppliers' shipments for the period. The 3-month rolling average North American semiconductor equipment book-to-bill ratio was 0.9 for both June 30, 2012 and December 31, 2011.

Historically, a significant portion of our revenues in each quarter and year has been derived from sales to relatively few customers, and we expect this trend to continue. For the six month period ended June 30, 2012 and for the years ended December 31, 2011, 2010 and 2009, sales to customers that individually represented at least five percent of our revenues accounted for 62.8%, 43.6%, 44.4%, and 44.8% of our revenues, respectively.

We do not have purchase contracts with any of our customers that obligate them to continue to purchase our products, and they could cease purchasing products from us at any time. A delay in purchase or cancellation by any of our large customers could cause quarterly revenues to vary significantly. In addition, during a given quarter, a significant portion of our revenues may be derived from the sale of a relatively small number of systems. Our macro-defect inspection and probe card and test analysis systems range in average selling price from approximately \$250,000 to \$1.7 million per system, our transparent film measurement systems range in average selling price from approximately \$250,000 to \$1.0 million per system and our opaque film measurement systems range in average selling price from approximately \$1.0 million to \$2.0 million per system.

A significant portion of our revenues has been derived from customers outside of the United States. We expect that revenues generated from customers outside of the United States will continue to account for a significant percentage of our revenues.

The following table lists, for the periods indicated, the revenue derived from customers outside of the United States (in percentages of total revenues):

	Six Months Ended June 30, 2012	Years Ended December 31,			
		2011	2010	2009	
Asia	69.3	% 51.3	% 65.7	% 60.8	%
Europe	13.0	% 20.4	% 11.1	% 11.6	%
Total international revenue	82.3	% 71.7	% 76.8	% 72.4	%

The sales cycle for our systems typically ranges from nine to 15 months, and can be longer when our customers are evaluating new technology. Due to the length of these cycles, we invest significantly in research and development and sales and marketing in advance of generating revenues related to these investments.

Revenues. Our revenues are primarily derived from the sale of our systems, services, spare parts and software licensing. Our revenue was \$56.3 million and \$102.0 million for the three and six month periods ended June 30, 2012, compared to \$51.5 million and \$102.1 million for the three and six month periods ended June 30, 2011, representing an increase of 9.3% and a decrease of 0.1% in the year-over-year periods.

The following table lists, for the periods indicated, the different sources of our revenues in dollars (thousands) and as percentages of our total revenues:

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	Three Months Ended					Six Months Ended						
	June 30, 2012			2011		June 30, 2012			2011			
Systems and Software:												
Inspection	\$33,949	60	%	\$27,850	53	%	\$56,805	56	%	\$50,952	50	%
Metrology	8,782	16	%	9,160	18	%	19,019	19	%	21,343	21	%
Data Analysis and Review	5,584	10	%	6,004	12	%	10,131	10	%	12,151	12	%
Parts	5,146	9	%	5,590	11	%	10,650	10	%	11,830	11	%
Services	2,865	5	%	2,939	6	%	5,430	5	%	5,866	6	%
Total revenue	\$56,326	100	%	\$51,543	100	%	\$102,035	100	%	\$102,142	100	%

The year-over-year increase in systems revenue for the six month period ended June 30, 2012 is primarily due to increased customer demand for inspection systems through the second quarter of 2012. The number of inspection systems sold during the six month period ended June 30, 2012 increased as compared to the same period in the prior year, resulting in an increase in inspection systems revenue of \$5.9 million for the 2012 period. The number of metrology systems sold during the six month period ended June 30, 2012 decreased as compared to the same period in the prior year, resulting in a decrease in metrology systems revenue of \$2.3 million for the 2012 period. The year-over-year decrease in data analysis and review software revenue for the six month period ended June 30, 2012 of \$2.0 million is primarily due to decreased sales across all data analysis and review software product families. As a result, the decrease in revenue for the 2012 period was caused by decreased volume rather than pricing changes.

Systems revenue generated by our latest product releases and major enhancements in each of our product families amounted to 65% and 62% of total revenues for the three and six month periods ended June 30, 2012, compared to 44% and 51% of total revenues for the three and six month periods ended June 30, 2011. The year-over-year decrease in total parts and services revenue for the six month period ended June 30, 2012 and 2011 is primarily due to decreased spending by our customers on system upgrades and repairs of existing systems. Parts and services revenues are generated from part sales, maintenance service contracts, system upgrades, as well as time and material billable service calls.

Deferred revenues of \$10.4 million are recorded in the Condensed Consolidated Balance Sheets within the caption "Other current liabilities" at June 30, 2012 and primarily consist of \$4.3 million for systems awaiting acceptance and outstanding deliverables and \$6.1 million for deferred maintenance agreements.

Gross Profit. Our gross profit has been and will continue to be affected by a variety of factors, including manufacturing efficiencies, excess and obsolete inventory write-offs, pricing by competitors or suppliers, new product introductions, production volume, customization and reconfiguration of systems, international and domestic sales mix, and parts and service margins. Our gross profit was \$30.2 million and \$54.0 million for the three and six month periods ended June 30, 2012, compared to \$27.9 million and \$55.2 million for the three and six month periods ended June 30, 2011. Our gross profit represented 53.7% and 52.9% of our revenues for the three and six month periods ended June 30, 2012 and 54.1% and 54.0% of our revenues for the same periods in the prior year. The decrease in gross profit as a percentage of revenue for the three and six month periods ended June 30, 2012 compared to the same periods in the prior year is primarily due to product mix, which included lower software sales.

Operating Expenses. Major components of operating expenses include research and development as well as selling, general and administrative expenses.

Research and Development. Our research and development expense was \$9.4 million and \$19.2 million for the three and six month periods ended June 30, 2012, compared to \$9.6 million and \$18.4 million for the same period in the prior year. Research and development expense represented 16.7% and 18.8% of our revenues for the three and six month periods ended June 30, 2012, compared to 18.5% and 18.1% of revenues for the prior year period. The year-over-year dollar increase for the six month period ended June 30, 2012 and 2011 in research and development expenses primarily reflects increased compensation and project costs.

Selling, General and Administrative. Our selling, general and administrative expense was \$9.9 million and \$19.1 million for the three and six month periods ended June 30, 2012, compared to \$9.9 million and \$19.7 million for the same period in the prior year. Selling, general and administrative expense represented 17.6% and 18.7% of our revenues for the three and six month periods ended June 30, 2012, compared to 19.1% and 19.3% of our revenues for the same period in the prior year. The year-over-year dollar decrease for the six month period ended June 30, 2012 and 2011 in selling, general and administrative expense was primarily due to decreased corporate litigation costs and a non-recurring charge to establish the Company's charitable matching gift program in the second quarter of 2011.

Income Taxes. For the three and six month periods ended June 30, 2012, we recorded an income tax provision of \$3.6

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million and \$4.6 million as compared to the income tax provision of \$1.0 million and \$2.4 million for the comparable periods in 2011. Our effective tax rate differs from the statutory rate of 35% for the three and six month periods ended June 30, 2011 primarily due to anticipated utilization of federal credit carryforwards in the 2011 year against which a full valuation allowance had been recorded.

We currently have a partial valuation allowance recorded against our deferred tax assets. Each quarter we assess the likelihood that we will be able to recover our deferred tax assets. We consider available evidence, both positive and negative, including historical levels of income, expectations and risks associated with estimates of future taxable income and ongoing prudent and feasible tax planning strategies in assessing the need for a valuation allowance. As a result of our analysis, we concluded that it is more likely than not that a portion of our net deferred tax assets will not be realized. Therefore, we continue to provide a valuation allowance against certain net deferred tax assets. We continue to closely monitor available evidence and may reverse some or all of the valuation allowance in future periods, if appropriate.

Litigation. As discussed in Part II, Item 1 (“Legal Proceedings”), we are subject to legal proceedings and claims, which includes, among other things, our on-going litigation with ITC in which we are the defendant in a patent infringement action related to the predictive scrub feature of our PrecisionPoint™, PrecisionWoRx® and ProbeWoRx® products. See Part II, Item 1 for a discussion of this action and the District Court’s adverse order affirming the jury award and ordering other relief in this matter. We intend to appeal the Order, damages assessment and injunction. In the event that the ultimate decision in the ITC Litigation results in a judgment of damages against us at the high end of our estimated range, such result will have a material impact on our results of operations and may also have a material impact on our liquidity and financial condition. We do not expect that the injunction issued in this matter will have a material adverse affect on our results of operations.

Liquidity and Capital Resources

At June 30, 2012, we had \$168.9 million of cash, cash equivalents and marketable securities and \$241.2 million in working capital. At December 31, 2011, we had \$167.6 million of cash, cash equivalents and marketable securities and \$234.2 million in working capital.

Typically during periods of revenue growth, changes in accounts receivable and inventories represent a use of cash as we incur costs and expend cash in advance of receiving cash from our customers. Similarly, during periods of declining revenue, changes in accounts receivable and inventories represent a source of cash as inventory purchases decline and revenue from prior periods is collected.

Operating activities provided \$9.7 million in cash and cash equivalents for the six month period ended June 30, 2012. The net cash and cash equivalents provided by operating activities during the six month period ended June 30, 2012 was primarily a result of net income, adjusted to exclude the effect of non-cash operating charges of \$15.4 million, an increase in accounts payable and accrued liabilities of \$7.1 million, and an increase in other current liabilities of \$6.3 million, partially offset by an increase in accounts receivable of \$11.8 million, an increase in inventory of \$5.1 million, and an increase prepaid expenses and other assets of \$2.3 million. Operating activities provided \$22.7 million in cash and cash equivalents for the six month period ended June 30, 2011. The net cash and cash equivalents provided by operating activities during the six month period ended June 30, 2011 was primarily a result of net income, adjusted to exclude the effect of non-cash operating charges of \$20.4 million, a decrease in accounts receivable of \$8.5 million, an increase in accounts payable and accrued liabilities of \$0.9 million, partially offset by an increase in inventory of \$5.2 million, and a decrease in other current liabilities of \$1.4 million, and a decrease in prepaid expenses and other assets of \$0.7 million.

Net cash and cash equivalents used in investing activities during the six month period ended June 30, 2012 of \$16.4 million was due to the purchase of marketable securities of \$51.6 million, the purchase of business of \$7.6 million, and capital expenditures of \$0.9 million, partially offset by the proceeds from sales of marketable securities of \$43.8 million. Net cash and cash equivalents used in investing activities during the six month period ended June 30, 2011 of \$5.1 million was due to purchases of marketable securities of \$4.1 million, and capital expenditures of \$1.2 million, partially offset by proceeds from sales of marketable securities of \$0.2 million.

Net cash and cash equivalents provided by financing activities was \$0.3 million and \$0.7 million for the six month periods ended June 30, 2012 and 2011, respectively. Net cash and cash equivalents provided by financing activities

for the six month period ended June 30, 2011 was due primarily to a tax benefit from employee stock plans of \$0.5 million.

From time to time, we evaluate whether to acquire new or complementary businesses, products and/or technologies. We may fund all or a portion of the purchase price of these acquisitions in cash, stock, or a combination of cash and stock. On June 21, 2012, we announced that we had acquired NanoPhotonics GmbH, headquartered in Mainz, Germany for cash. We accounted for this acquisition as a business combination.

In July 2008, our Board of Directors approved a stock repurchase program of up to 3,000 shares of Company common stock. As of the time of filing this Quarterly Report on Form 10-Q, we have not purchased any shares under this program.

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On July 25, 2011, we issued \$60 million aggregate principal amount of 3.75% convertible senior notes, which mature on July 15, 2016 and pay interest semiannually commencing on January 15, 2012. In connection with the issuance, we entered into convertible note hedge and warrant transactions. The convertible note hedge transaction is intended to reduce potential dilution in our stock upon conversion of the notes. However, the warrant transaction will have a dilutive effect on our earnings per share to the extent that the price of our common stock exceeds the strike price of the warrant. Net proceeds realized from the sale of the convertible senior notes, the convertible note hedge and warrant transactions were \$50.2 million. We intend to use the net proceeds for general corporate purposes, which may include financing potential acquisitions and strategic transactions, growth initiatives and working capital.

Our future capital requirements will depend on many factors, including the timing and amount of our revenues and our investment decisions, which will affect our ability to generate additional cash. We believe that our existing cash, cash equivalents and marketable securities will be sufficient to meet our anticipated cash requirements for working capital and capital expenditures for the next twelve months. Thereafter, if cash generated from operations and financing activities is insufficient to satisfy our working capital requirements, we may seek additional funding through bank borrowings, sales of securities or other means. There can be no assurance that we will be able to raise any such capital on terms acceptable to us or at all.

Item 3. Quantitative and Qualitative Disclosures about Market Risk

Interest Rate and Credit Market Risk

We are exposed to changes in interest rates and market liquidity including our investments in certain available-for-sale securities. Our available-for-sale securities consist of fixed and variable rate income investments (Municipal notes, bonds and an auction rate security). We continually monitor our exposure to changes in interest rates, market liquidity and credit ratings of issuers from our available-for-sale securities. It is possible that we are at risk if interest rates, market liquidity or credit ratings of issuers change in an unfavorable direction. The magnitude of any gain or loss will be a function of the difference between the fixed rate of the financial instrument and the market rate and our financial condition and results of operations could be materially affected. Based on a sensitivity analysis performed on our financial investments held as of June 30, 2012, an immediate adverse change of 10% in interest rates (e.g. 3.00% to 3.30%) would result in an immaterial decrease in the fair value of our available-for-sale securities. Therefore, any change in interest rates will not have a material impact on our consolidated financial position, results of operations or cash flows.

Foreign Currency Risk

We have branch operations in Taiwan, Singapore and South Korea and wholly-owned subsidiaries in Europe, China and Japan. Our international subsidiaries and branches operate primarily using local functional currencies. The intercompany transactions denominated in U.S. dollars appearing on the financial statements of the subsidiaries and branches are remeasured at each quarter-end resulting in gains and losses which are reflected in net income. A hypothetical 10% appreciation or depreciation in the U.S. dollar relative to the reporting currencies of our foreign subsidiaries at June 30, 2012 would have affected the foreign-currency-denominated non-operating expenses of our foreign subsidiaries by approximately \$2.0 million. We cannot accurately predict future exchange rates or the overall impact of future exchange rate fluctuations on our business, results of operations and financial condition.

A substantial portion of our international sales are denominated in U.S. dollars with the exception of Japan and, as a result, we have relatively little exposure to foreign currency exchange risk with respect to these sales. Substantially all our sales in Japan are denominated in Japanese yen. From time to time, we may enter into forward exchange contracts to economically hedge a portion of, but not all, existing and anticipated foreign currency denominated transactions expected to occur within 12 months. The change in fair value of the forward contracts is recognized in the Condensed Consolidated Statements of Operations each reporting period. As of June 30, 2012, we had fourteen forward contracts outstanding with a total notional contract value of \$3.7 million. We do not use derivative financial instruments for trading or speculative purposes.

Item 4. Controls and Procedures

We maintain a set of disclosure controls and procedures, as defined in Rule 13a-15(e) or Rule 15d-15(e) under the Securities Exchange Act of 1934, as amended (the “Exchange Act”), designed to ensure that information required to be disclosed by us in reports that we file or submit under the Exchange Act is recorded, processed, summarized and reported within the time periods specified in SEC rules and forms and that such information is accumulated and communicated to our management, including its Chief Executive Officer (“CEO”) and Chief Financial Officer (“CFO”), as appropriate, to allow for timely decisions regarding required disclosure. The disclosure controls and procedures are designed to provide reasonable assurance of achieving the desired control objectives.

Scope of the Controls Evaluation

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The evaluation of our disclosure controls and procedures included a review of the controls' objectives and design, our implementation of the controls and the effect of the controls on the information generated for use in this Quarterly Report. In the course of the evaluation, we sought to identify data errors, control problems or acts of fraud and confirm that appropriate corrective actions, if any, including process improvements, were being undertaken. This type of evaluation is performed on a quarterly basis so that the conclusions of management, including the CEO and CFO, concerning the effectiveness of the controls can be reported in our Quarterly Reports on Form 10-Q and in our Annual Reports on Form 10-K. Many of the components of our disclosure controls and procedures are also evaluated on an ongoing basis by other personnel in our accounting, finance and legal functions. The overall goals of these various evaluation activities are to monitor our disclosure controls and procedures and to modify them on an ongoing basis as necessary. A control system can provide only reasonable, not absolute, assurance that the control system's objectives will be met. Because of the inherent limitations in all control systems, no evaluation of controls can provide absolute assurance that all control issues and instances of fraud, if any, have been detected. Over time, controls may become inadequate because of changes in conditions or deterioration in the degree of compliance with policies or procedures. Because of inherent limitations in a cost effective control system, misstatements due to error or fraud may occur and not be detected.

Conclusions

As of June 30, 2012, an evaluation was carried out under the supervision and with the participation of our management, including the CEO and CFO. Based on this evaluation, the CEO and CFO have concluded that our disclosure controls and procedures were effective at the reasonable assurance level as of the end of the period covered by this Quarterly Report on Form 10-Q.

Changes in Internal Control over Financial Reporting

There has been no change in our internal control over financial reporting that occurred during the period covered by this Form 10-Q that has materially affected, or is reasonably likely to materially affect, our internal control over financial reporting.

PART II OTHER INFORMATION

Item 1. Legal Proceedings

From time to time, we are subject to legal proceedings and claims in the ordinary course of business. As previously disclosed, in December 2007, we completed the acquisition of specific assets and liabilities of the semiconductor division of Applied Precision LLC ("Applied"). As a result of the acquisition, we assumed certain liabilities of Applied including a lawsuit filed in the United States District Court, District of Arizona, by Integrated Technology Corporation ("ITC") which alleged Applied's PrecisionPoint™, PrecisionWoRx® and ProbeWoRx® products infringed an ITC patent (Integrated Technology Corporation v. Rudolph Technologies, Inc., No. CV-06-2182-PHX-ROS). Prior to trial, the District Court ruled that such products sold prior to August of 2007 infringed the ITC patent. In December 2011, a trial verdict was rendered in which the jury found that while our products manufactured after August of 2007 did not literally infringe ITC's patent, the products were found to infringe under a rule known as the doctrine of equivalents, a legal principle which expands the language of patent claims to encompass products or processes which may otherwise be found not to literally infringe the patent. The jury awarded \$15.5 million to ITC in damages for sales made during the years 2000-2011, of which award approximately one-half related to sales made after August 2007. The jury found that for sales made after August of 2007 the infringement was willful. On July 23, 2012, the District Court, responding to post-trial motions filed by us and ITC related to the verdict and damages assessment, affirmed the jury's award, applied treble damages to the portion of the jury award related to sales of the products after 2007 and granted ITC's motion for attorney's fees and prejudgment interest on the verdict and attorney's fees. The District Court also enjoined us from future infringement of the ITC patent and from selling or supplying the applicable products with the applicable features from or into the United States. We intend to appeal the Order, damages assessment and injunction. We believe that we have meritorious defenses and shall continue to vigorously prosecute our appeal. With that, it is reasonably possible that we could realize a loss in this matter related to products sold after

August of 2007 such that in the event that we are ultimately found liable, damage estimates related to this case, which have not been accrued for as of June 30, 2012, range from approximately \$25 thousand to \$23.4 million, exclusive of prejudgment interest or any attorney's fee award. With regard to products sold before August of 2007, it is probable that we could realize a loss in this matter for which we have estimated and recorded a liability of approximately \$4.3 million in "Other liabilities" in the Condensed Consolidated Balance Sheets. While we continue to believe that our current PrecisionWoRx® and ProbeWoRx® systems do not infringe ITC's patent, we have removed the predictive scrub feature that was found to be at issue in the litigation from all tools sold after the jury verdict.

In our patent infringement suit against Camtek, Ltd., of Migdal Hamek, Israel, concerning our proprietary continuous scan wafer inspection technology, the U.S. Federal Court of Appeals issued a ruling on August 22, 2011. In its opinion, the Appellate Court affirmed multiple rulings from trial at the District Court level including (i) finding our U.S. Patent No. 6,826,298 valid, (ii) the part of the infringement ruling based on the finding that Camtek's Falcon product strobes "based on velocity," and

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(iii) the dismissal of Camtek's claim against the Company for inequitable conduct against the U.S. Patent and Trademark Office. The court did, however, revise one claim construction ruling made by the District Court in the original case. As a result, the Appellate Court set aside the verdict delivered by the jury for damages and the District Court's decision to enter an injunction against Camtek's selling Falcon tools in the U.S. and remanded the case back to the trial court for a limited trial on this the single infringement issue. No trial date has been set for this limited trial. This lawsuit was initially brought in 2005 by August Technology prior to its merger with us.

Item 1A. Risk Factors

There were no material changes to our risk factors as discussed in Item 1A - Risk Factors in our Annual Report on Form 10-K, for the year ended December 31, 2011.

Item 2. Unregistered Sales of Equity Securities and Use of Proceeds

In July 2008, our Board of Directors authorized a share repurchase program of up to 3 million shares of the Company's common stock. The program may be discontinued or modified at anytime. As of the time of filing this Quarterly Report on Form 10-Q, we have not purchased any shares under this program.

Item 3. Defaults Upon Senior Securities

None.

Item 4. Mine Safety Disclosures

None.

Item 5. Other Information

None.

Item 6. Exhibits

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Exhibit No.	Description
3.1	Restated Certificate of Incorporation of Registrant (incorporated by reference to Exhibit (3.1(c)) to the Registrant's Registration Statement on Form S-1, as amended (SEC File No. 333-86821 filed on October 5, 1999).
3.2	Restated Bylaws of Registrant (incorporated by reference to Exhibit 3.1 to the Registrant's Current Report on Form 8-K filed on August 1, 2007, No. 000-27965).
3.3	Amendment to Restated Bylaws of Registrant (incorporated by reference to Exhibit 3.1 to the Registrant's Current Report on Form 8-K filed on February 2, 2009, No. 000-27965).
31.1	Certification of Paul F. McLaughlin, Chief Executive Officer, pursuant to Securities Exchange Act Rule 13a-14(a).
31.2	Certification of Steven R. Roth, Chief Financial Officer, pursuant to Securities Exchange Act Rule 13a-14(a).
32.1	Certification pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, signed by Paul F. McLaughlin, Chief Executive Officer of Rudolph Technologies, Inc.
32.2	Certification pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, signed by Steven R. Roth, Chief Financial Officer of Rudolph Technologies, Inc.
101.INS*	XBRL Instance Document
101.SCH*	XBRL Taxonomy Extension Schema Document
101.CAL*	XBRL Taxonomy Extension Calculation Linkbase Document
101.DEF*	XBRL Taxonomy Extension Definition Linkbase Document
101.LAB*	XBRL Taxonomy Extension Label Linkbase Document
101.PRE*	XBRL Taxonomy Extension Presentation Linkbase Document

* Users of the XBRL data are advised pursuant to Rule 406T of Regulation S-T that this interactive data file is deemed not filed or part of a registration statement or prospectus for purposes of sections 11 or 12 of the Securities Act of 1933, is deemed not filed for purposes of section 18 of the Securities Exchange Act of 1934, and otherwise is not subject to liability under these sections.

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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.

Date: August 2, 2012
Rudolph Technologies, Inc.
By: /s/ Paul F. McLaughlin
Paul F. McLaughlin
Chairman and Chief Executive Officer

Date: August 2, 2012
By: /s/ Steven R. Roth
Steven R. Roth
Senior Vice President, Chief Financial Officer and Principal
Accounting Officer

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