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ROFIN-SINAR REPORTS RESULTS FOR THE FOURTH QUARTER AND FISCAL YEAR 2010

Fourth quarter order entry, sales and net income increased by 73%, 37% and 127%, respectively, year-over-year

Plymouth, MI / Hamburg, Germany, November 5, 2010 – ROFIN-SINAR Technologies Inc. - (NASDAQ: RSTI), one of the world's leading developers and manufacturers of high-performance laser beam sources and laser-based solutions, today announced results for its fourth fiscal quarter and twelve months ended September 30, 2010.

FINANCIAL HIGHLIGHTS

(dollars in thousands, except per share data)

	Three months ended			Twelve months ended		
	<u>09/30/10</u>	<u>09/30/09</u>	% Change	<u>09/30/10</u>	<u>09/30/09</u>	% Change
Net sales	\$124,354	\$90,458	+ 37 %	\$423,570	\$349,579	+ 21 %
RSTI net income	\$11,931	\$5,252	+ 127 %	\$29,840	\$9,163	+ 226 %
Earnings per share "Diluted" basis*	\$0.42	\$0.18	+ 133 %	\$1.02	\$0.31	+ 229 %

*The diluted per share calculation is based on the weighted-average shares outstanding and the potential dilution from common stock equivalents (stock options) for each period presented, which was 28.6 million and 29.3 million for each of the fiscal quarters and 29.2 million for both twelve month periods ended September 30, 2010 and 2009.

"We are very pleased with our operational and financial performance for the fourth quarter and fiscal year 2010. Quarterly order entry and sales, as well as net income, increased significantly, and were primarily driven by increased business with the machine tool, semiconductor and electronics industries. In addition, the Asian markets continued to be a strong source of demand for our products. We are also particularly encouraged by our quarterly operating margin, which is approaching our pre-economic crisis levels. These results reflect a substantial improvement in the macroeconomic climate and the excellent execution of our strategy by the ROFIN team," commented Günther Braun, CEO and President of RSTI. "We believe that our backlog and our expanding product portfolio provide us with a solid basis for a successful fiscal year 2011."

FINANCIAL REVIEW

- Fourth Quarter -

Net sales totaled \$124.4 million for the fourth quarter ended September 30, 2010, a 37%, or \$33.9 million, increase from the comparable quarter of fiscal 2009. The strengthening of the US dollar against our other functional currencies resulted in a decrease in net sales of \$4.4 million in the fourth quarter. Gross profit totaled \$50.3 million, or 40% of net sales, compared to \$34.8 million, or 38% of net sales, in the same period last fiscal year. RSTI net income amounted to \$11.9 million, or 10% of net sales, compared to net income of \$5.3 million, or 6% of net sales, in the fourth quarter of fiscal year 2009. The diluted earnings per share calculation equaled \$0.42 for the quarter based upon 28.6 million weighted-average common shares outstanding, compared to diluted earnings per share of \$0.18 based upon 29.3 million weighted-average common shares outstanding for the same period last fiscal year.

Comparing the fourth fiscal quarters 2010 and 2009, SG&A increased by \$0.8 million in 2010 to \$22.2 million, representing 18% of net sales, and fourth quarter R&D expenses increased by \$0.3 million in 2010 to \$7.0 million, representing 6% of net sales.

Revenues of laser products used for macro applications increased by 29% to \$48.5 million, accounting for 39% of total sales. Sales of lasers for marking and micro applications increased by 47% to \$63.5 million and represented 51% of total sales. Sales of components increased by 32% to \$12.4 million and represented 10% of total sales.

- Twelve Months -

For the twelve months ended September 30, 2010, net sales totaled \$423.6 million, an increase of \$74.0 million, or 21%, over the comparable period in 2009. The weakening of the US dollar against our other functional currencies resulted in an increase in net sales of \$1.4 million for the twelve month period. Gross profit for the period was \$166.3 million, \$34.2 million higher than the same period in 2009. RSTI net income for the twelve month period ended September 30, 2010, totaled \$29.8 million. The diluted earnings per share calculation equaled \$1.02 for the twelve month period based upon 29.2 million weighted-average common shares outstanding.

Net sales of lasers for macro applications increased by \$32.5 million, or 23%, to \$172.9 million and net sales of lasers for marking and micro applications increased by \$38.4 million, or 23%, to \$206.5 million. Sales of components increased \$3.1 million, or 8%, to \$44.2 million compared to fiscal year 2009.

On a geographical basis, net sales in North America in the twelve months increased by 12% and totaled \$78.7 million (2009: \$70.0 million). In Europe, net sales decreased slightly by 1% to \$196.3 million (2009: \$199.1 million) and in Asia, net sales increased by 85% to \$148.6 million (2009: \$80.5 million).

- Backlog -

Order entry for the quarter increased by 73% to \$138.8 million compared to the fourth quarter of 2009 and resulted in a backlog of \$138.9 million at September 30, 2010, mainly for laser products. As of September 30, 2010, ROFIN-SINAR had a book-to-bill ratio for the fourth quarter and fiscal year 2010 of 1.12.

- Other Developments - Share Buyback -

As of September 30, 2010, the Company has purchased approximately 0.85 million shares of its common stock for a total amount of \$19.5 million under the buyback program that was announced in May 2010.

With operational headquarters in Plymouth, Michigan, and Hamburg, Germany, ROFIN-SINAR Technologies Inc. designs, develops, engineers and manufactures laser sources and laser-based system solutions for a wide range of applications. With production facilities in the US, Germany, UK, Sweden, Finland, Switzerland, Singapore, and China, ROFIN-SINAR is one of the world's leading designers and manufacturers of industrial lasers and currently has more than 38,000 laser units installed worldwide and serves more than 4,000 customers. ROFIN-SINAR's shares trade on the NASDAQ Global Select Market under the symbol RSTI and are listed in Germany in the "Prime Standard" segment of the Frankfurt Stock Exchange under ISIN US7750431022. ROFIN is part of the Standard & Poor's SmallCap 600 Index and the Russell 2000 Index. Additional information is available on ROFIN-SINAR's home page: <http://www.rofin.com>.

A conference call is scheduled for 11:00 AM Eastern, today, Friday, November 5, 2010. This call is also being broadcast live over the internet in listen-only mode. The replay will be available on the Company's home page for approximately 90 days. For a live webcast, please go to <http://www.rofin.com> at least 10 minutes prior to the call in order to download and install any necessary software. For more information, please contact Delia Cannan at Taylor Rafferty in New York at +1-212-889-4350 or Emilia Whitbread at Taylor Rafferty in London at +44(0) 207 614 2900).

(Tables to follow)

ROFIN-SINAR TECHNOLOGIES INC.
CONSOLIDATED STATEMENTS OF EARNINGS

(in thousands, except per share data)

	Three months Ended		Twelve months Ended	
	<u>09/30/10</u>	<u>09/30/09</u>	<u>09/30/10</u>	<u>09/30/09</u>
- <i>Macro</i>	\$48,514	\$37,734	\$172,877	\$140,362
- <i>Marking/Micro</i>	63,430	43,301	206,535	168,131
- <i>Components</i>	12,410	9,423	44,158	41,086
Net Sales	124,354	90,458	423,570	349,579
Costs of goods sold	<u>74,042</u>	<u>55,653</u>	<u>257,316</u>	<u>217,532</u>
Gross profit	50,312	34,805	166,254	132,047
Selling, general and administrative expenses	22,229	21,402	89,908	88,906
Intangibles amortization	541	887	2,250	3,559
Research and development expenses	<u>6,977</u>	<u>6,749</u>	<u>30,137</u>	<u>31,500</u>
Income from operations	20,565	5,767	43,959	8,082
Other income (expense)	<u>(2,164)</u>	<u>1,956</u>	<u>1,942</u>	<u>6,618</u>
Income before income tax	18,401	7,723	45,901	14,700
Income tax expense	<u>6,179</u>	<u>2,356</u>	<u>15,442</u>	<u>5,197</u>
Net income	12,222	5,367	30,459	9,503
Net income attributable to non-controlling interest	<u>291</u>	<u>115</u>	<u>619</u>	<u>340</u>
Net income attributable to RSTI	<u>11,931</u>	<u>5,252</u>	<u>29,840</u>	<u>9,163</u>
Net income attributable to RSTI per share				
**"diluted" basis	\$0.42	\$0.18	\$1.02	\$0.31
***"basic" basis	\$0.42	\$0.18	\$1.04	\$0.32

*The diluted per share calculation is based on the weighted-average shares outstanding and the potential dilution from common stock equivalents (stock options) for each period presented, which was 28.6 million and 29.3 million for each of the fiscal quarters and 29.2 million for both twelve month periods ending September 30, 2010 and 2009.

**The basic per share calculation is based on the weighted-average shares outstanding for each period presented, which was 28.3 million and 28.9 million for the fiscal quarters and 28.8 million and 28.9 million for the twelve month periods ending September 30, 2010 and 2009, respectively.

ROFIN-SINAR TECHNOLOGIES INC.
CONSOLIDATED BALANCE SHEETS
(dollars in thousands)

	<u>09/30/10</u>	<u>09/30/09</u>
ASSETS		
Cash, cash equivalents and short-term investments	\$116,319	\$118,984
Trade accounts receivable, net	97,639	79,357
Inventories, net	151,759	136,448
Other current assets	<u>21,638</u>	<u>20,126</u>
Total current assets	<u>387,355</u>	<u>354,915</u>
Net property and equipment	52,651	55,735
Other non-current assets	<u>118,186</u>	<u>128,857</u>
Total non-current assets	<u>170,837</u>	<u>184,592</u>
 Total assets	 <u>\$558,192</u>	 <u>\$539,507</u>
LIABILITIES AND STOCKHOLDERS' EQUITY		
Short-term debt	5,173	18,983
Accounts payable, trade	23,173	13,146
Other current liabilities	<u>71,216</u>	<u>48,507</u>
Total current liabilities	99,562	80,636
Long-term debt	15,488	12,426
Other non-current liabilities	<u>25,316</u>	<u>24,751</u>
Total liabilities	<u>140,366</u>	<u>117,813</u>
 Total stockholders' equity	 <u>417,826</u>	 <u>421,694</u>
 Total liabilities and stockholders' equity	 <u>\$558,192</u>	 <u>\$539,507</u>

The Company's conference call will include discussions relative to the current quarter results and some comments regarding forward-looking guidance on future operating performance.

"Safe Harbor" Statement Under the Private Securities Litigation Reform Act.

Certain information in this press release that relates to future plans, events or performance, including statements such as "we believe that our backlog and our expanding product portfolio provide us with a solid basis for a successful fiscal year 2011" is forward-looking and is subject to important risks and uncertainties that could cause actual results to differ. Actual results could differ materially based on numerous factors, including currency risk, competition, risk relating to sales growth in CO₂, diode, solid-state and fiber lasers, cyclicalities, conflicting patents and other intellectual property rights of Fourth parties, potential infringement claims and future capital requirements, as well as other factors set forth in our annual report on form 10-K. These forward-looking statements represent the Company's best judgment as of the date of this release based in part on preliminary information and certain assumptions which management believes to be reasonable. The Company disclaims any obligation to update these forward-looking statements.

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