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AVT REPORTS RECORD GROWTH FOR 2006

- Revenues up 13.2% to USD 28.5 million
 - Net income reaches USD 5.4 million
 - Q4 2006 marks 20th successive quarter of growth
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Hod-Hasharon, Israel, January 29, 2007 - Advanced Vision Technology Ltd. (AVT, Prime Standard of the Frankfurt Stock Exchange, ISIS: IL001837248), the world's leading provider of automatic optical inspection and quality assurance systems for the printing and packaging industry, completed a successful 2006 with sales of USD 28.5 million, up 13.2% over 2005.

Profitability for the year 2006 was up 28.9% at USD 5.4 million (USD 4.2 million in 2005).

Sales for the fourth quarter of 2006 totalled USD 7.4 million, up 12.3% for the same period in 2005 (USD 6.6 million).

Order bookings for 2006 were more than USD 28.9 million, an increase of 10.5% over 2005 (USD 26.1 million), and at year-end, AVT's order backlog totalled USD 9.4 million (USD 8.8 million in 2005).

Revenues from maintenance, service and training increased to USD 2 million in 2006, an increase of 49% over the previous year, reflecting the growing installed base of over 1,500 systems.

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“These are gratifying results,” said Shlomo Amir, President and CEO, “and reflect our continued strategy of market focus, and R&D based on the real needs of printers and converters. The launch of the solution for sheet-fed applications was a result of this research and marked AVT’s entry into the sheet-fed market.

“During 2006, AVT’s ‘Leadership through Partnership’ strategy was vividly demonstrated at Labelexpo Americas, in Chicago, where AVT solutions were featured on the stands of eight OEM press and finishing equipment partners,” Shlomo Amir continued.

“While our market share of 60% in Europe and North America is a source of pride, less than 10% of the world’s packaging and labels printers currently use machine vision systems for print inspection.” Shlomo Amir concluded. “With web and sheet-fed solutions for these markets and our growing positions in the new markets of China and Eastern Europe, AVT’s challenge is clear, and we are well-positioned to meet that challenge.”

About AVT

Advanced Vision Technology develops and manufactures automatic inspection systems for web applications in the packaging, labels, forms and converting sectors. AVT's flagship platform, **PrintVision/Jupiter** for packaging printing, is an advanced video-based inspection system that automatically detects defects in various types of printing processes. The system eliminates the need for human operator judgment to visually monitor and inspect print output.

For the label printing market, AVT developed the **PrintVision/Helios**, an automatic 100% inspection system for quality assurance workflow. The system can be mounted on-press for in-line inspection or on a rewinder for post-press handling.

There are more than 1500 PrintVision systems installed worldwide.

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Advanced Vision Technology headquarters and sole manufacturing facility is located in Hod-Hasharon, Israel; the company employs 123 people worldwide. AVT is a public company listed in the Prime Standard of the Frankfurt Stock Exchange. The company is based in Israel, with marketing, sales and support offices in the United States, Europe and China.

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Certain statements in this press release are forward-looking statements. Because such statements deal with future events, they are subject to various risks and uncertainties and actual results could differ materially from our current expectations. Factors that could cause or contribute to such differences include, but are not limited to: the impact on revenues of economic and political uncertainties and weaknesses in various regions of the world, including the commencement or escalation of hostilities or acts of terrorism; any unforeseen developmental or technological difficulties with regard to our products; changes in the competitive landscape, including new competitors or the impact of competitive pricing and products; a shift in demand for products such as ours; unknown factors affecting third parties with which we have formed business alliances; timely availability and customer acceptance of our new and existing products, and other factors and risks discussed in our Annual Report for the year ended December 31, 2006. We assume no obligation to update information concerning our expectations.