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FOR IMMEDIATE RELEASE

CAMTEK RECEIVES ORDERS FOR MULTIPLE FALCON WAFER INSPECTION SYSTEMS

Falcons to Be Installed At Plants in Asia

MIGDAL HA'EMEK, Israel, August 15, 2007 - Camtek Ltd. (Nasdaq: CAMT; TASE: CAMT) announced today that it received follow on orders for five Falcon wafer inspection systems from a leading international semiconductor manufacturer. The systems will be installed at two plants in Asia during the third and fourth quarters of 2007. The orders, totaling several million dollars, include Falcon models for 3D metrology and inspection of bumped wafers, and for 2D inspection of wafer-level packaged MEMS devices at various stages of their production.

Roy Porat, President of Camtek Asia, said: "These orders represent another step in our long partnership with this strategic customer. We are proud of this vote of confidence, and are committed to continue supporting the diverse inspection needs of this leading customer's products as they evolve."

ABOUT FALCON

Camtek's line of automated wafer inspection systems, Falcon, helps semiconductor manufacturers, bumping houses and packaging foundries monitor processes and enhance yield. Falcon dedicated models deliver superb 2D and 3D inspection and metrology capabilities for wafers before or after test, along the bumping process or after dicing, as well as the special needs of MEMS applications.

ABOUT CAMTEK LTD.

With headquarters in Migdal Ha'Emek Israel, Camtek Ltd., designs, develops, manufactures, and markets automatic optical inspection systems and related products. Camtek's automatic inspection systems are used to enhance both production processes and yield for manufacturers in the printed circuit board industry, the high density interconnect substrate industry and the semiconductor manufacturing and packaging industry. This press release is available at www.camtek.co.il.

This press release may contain projections or other forward-looking statements regarding future events or the future performance of the Company. These statements are only predictions and may change as time passes. We do not assume any obligation to update that information. Actual events or results may differ materially from those projected, including as a result of changing industry and market trends, reduced demand for our products, the timely development of our new products and their adoption by the market, increased competition in the industry, price reductions as well as due to risks identified in the documents filed by the Company with the SEC.

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