

CAMTEK LTD  
Form 6-K  
August 19, 2010

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UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549

FORM 6-K

Report of Foreign Private Issuer  
Pursuant to Rule 13a-16 or 15d-16  
under the Securities Exchange Act of 1934

For the Month of August 2010

CAMTEK LTD.  
(Translation of Registrant's Name into English)

Ramat Gavriel Industrial Zone  
P.O. Box 544  
Migdal Haemek 23150  
ISRAEL  
(Address of Principal Corporate Offices)

Indicate by check mark whether the registrant files or will file annual reports under cover of Form 20-F or Form 40-F.

Form 20-F  Form 40-F

Indicate by check mark whether the registrant by furnishing the information contained in this Form is also thereby furnishing the information to the Commission pursuant to Rule 12g3-2(b) under the Securities and Exchange Act of 1934.

Yes  No

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SIGNATURE

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.

CAMTEK LTD.  
(Registrant)

By: /s/ Mira Rosenzweig

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Mira Rosenzweig,  
Chief Financial Officer

Dated: August 19, 2010

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FOR IMMEDIATE RELEASE

### CAMTEK RECEIVES ORDER FOR MULTIPLE WAFER INSPECTION SYSTEMS

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MIGDAL HAEMEK, Israel – August 19, 2010 – Camtek Ltd. (NASDAQ and TASE: CAMT) (“Camtek”), announced today that it received follow-on order for multiple wafer inspection systems from a major Asian IDM (Integrated Device Maker). The systems will be installed during the third and fourth quarters of 2010.

The order, totaling over \$3 million dollars, includes several systems for 2D & 3D inspection and metrology of bumped wafers.

Mr. Roy Porat, Camtek’s General Manager, commented, “Leading IDMs continue to select Camtek’s Falcon systems as part of their QA process, to ensure the delivery of top quality products to their end users. This order represents the confidence that our customers have in Camtek, as a leading provider of state of the art technology for 2D & 3D inspection and metrology for all applications including, the very demanding, TSV and micro-bump applications.”

Mr. Porat added, "We are very pleased with this order and will make all efforts to continue providing the right solutions to meet our customers' inspection requirements along with our usual top quality` customer service and support.”

#### ABOUT CAMTEK LTD.

Camtek Ltd provides automated solutions dedicated for enhancing production processes and yield, enabling our customers new technologies in two industries; Semiconductors, Printed Circuit Board (PCB) & IC Substrates.

Camtek addresses the specific needs of these industries with dedicated solutions based on a wide and advanced platform of technologies including intelligent imaging, image processing, ion milling and digital material deposition. Camtek’s solutions range from micro-to-nano by applying its technologies to the industry-specific requirements.

This press release is available at [www.camtek.co.il](http://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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