

CAMTEK LTD  
Form 6-K  
May 13, 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 May 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: May 13, 2010

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FOR IMMEDIATE RELEASE

### CAMTEK RECEIVES ORDER FOR MULTIPLE FALCON SYSTEMS

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Camtek's FALCON System Selected by a Leading Assembly and Test Supplier  
For Advanced 2D and 3D Metrology and Inspection Applications

MIGDAL HAEMEK, Israel – May 13, 2010 – Camtek Ltd. (NASDAQ and TASE: CAMT) (“Camtek”), announced today that a leading assembly and test supplier in Asia has selected the Falcon, Camtek's Automatic Optical Inspection (AOI) system, for a 2D and 3D metrology and inspection solution. The full order included four systems; two systems will be installed during the second quarter of 2010 and additional two systems will be installed in the third quarter of 2010.

Mr. Roy Porat, Camtek's General Manager commented, “This sale strengthens our leadership position in the Back-End Bump area, where packaging technologies are evolving and advancing to smaller and thinner packages with more advanced bumping technologies. We foresee that the technological developments in the packaging world will result in general market growth and with it growth in our business.”

“We are also pleased that we were able to outperform our competitors and to be selected as the tool of choice at the end of a very technical benchmark performed by the customer”, added Mr. Porat.

#### 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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