

CAMTEK LTD  
Form 6-K  
July 29, 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 July 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: July 29, 2010

Camtek Ltd.  
P.O.Box 544, Ramat Gabriel Industrial Park  
Migdal Ha'Emek 23150, ISRAEL  
Tel: +972 (4) 604-8100 Fax: +972 (4) 644-0523  
E-Mail: Info@camtek.co.il Web site: <http://www.camtek.co.il>

CAMTEK LTD.  
Mira Rosenzweig, CFO  
Tel: +972-4-604-8308  
Mobile: +972-54-9050703  
[mirar@camtek.co.il](mailto:mirar@camtek.co.il)

INTERNATIONAL INVESTOR RELATIONS  
CCG Investor Relations  
Ehud Helft / Kenny Green  
Tel: (US) 1 646 201 9246  
[camtek@ccgisrael.com](mailto:camtek@ccgisrael.com)

FOR IMMEDIATE RELEASE

### CAMTEK TO APPEAL THE DECISION IN RUDOLPH PATENT INFRINGEMENT CASE

MIGDAL HA'EMEKE, Israel, July 29, 2010 – Camtek Ltd. (Nasdaq: CAMT; TASE: CAMT) reported today that the way to appeal is open following the District Court's denial of Camtek's post trial motions in the patent infringement case brought by August Technology Corporation (later acquired by Rudolph Technologies, Inc.) in 2004 and involving U.S. Patent No. 6,826,298.

The District Court's decision did not raise any new issues or alter the injunction already in place. Camtek considers its inspection systems other than the Falcon, which were not involved in the '6,298 patent litigation, such as Condor, not to be covered by the injunction. Accordingly, Camtek continues its marketing and sales of Condor systems in the U.S.

"We strongly believe that our Falcon products do not infringe the '6,298 patent and that the patent itself is invalid", said Rafi Amit, Camtek's CEO. "We now can defend Camtek's rights in the appeal process before the Federal Circuit, which specializes in patent appeals, and we fully expect to overturn the erroneous judgment of the District Court."

#### 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.

