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 2013

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 x Form 40-F o

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 o No x

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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/ Moshe Eisenberg

Moshe Eisenberg, Chief Financial Officer

Dated: July 8, 2013

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FOR IMMEDIATE RELEASE

CAMTEK RECEIVES REPEAT ORDERS OF OVER \$2.5 MILLION FOR XACT200 SYSTEMS FROM LEADING SEMICONDUCTOR MANUFACTURERS

Xact200 is Camtek's revolutionary sample preparation system

MIGDAL HAEMEK, Israel – July 8, 2013 – Camtek Ltd. (NASDAQ and TASE: CAMT), today announced that it received repeat orders in excess of \$2.5 million for Xact200 systems, from a number of leading semiconductor manufacturers. The Xact200 is Camtek's next generation and revolutionary TEM Sample Preparation System. The systems have already been installed at the customer sites.

The Xact200 uses Camtek's unique Adaptive Ion Milling technology, which offers an innovative solution for physical failure analysis and characterization. This technology meets the specifications of the Semiconductor and Nanotechnology industry.

Roy Porat, Camtek's Chief Executive Officer, commented, "These repeat orders are a vote of confidence in our technology from some very important customers, especially in light of the challenges we faced with the Xact200 last year. I am pleased that our R&D efforts have yielded a mature, cutting-edge technology system.

ABOUT CAMTEK LTD.

Camtek Ltd. provides automated and technologically advanced solutions dedicated to enhancing production processes and increasing yields, enabling and supporting customer's latest technologies in the Semiconductors, Printed Circuit Boards (PCB) and IC Substrates industries.

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

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,

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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, intellectual property litigation, price reductions as well as due to risks identified in the documents filed by the Company with the SEC.