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 September 2006

ELTEK LTD.

(Name of Registrant)

Sgoola Industrial Zone, Petach Tikva, Israel (Address of Principal Executive Office)

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 if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(1): 0

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(7): 0

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

Yes O No X

If Yes is marked, indicate below the file number assigned to the registrant in connection with Rule 12g3-2(b): 82-__

This Form 6-K is being incorporated by reference into the Registrant s Form S-8 Registration Statements File Nos. 333-12012 and 333-123559.

SIGNATURES

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.

ELTEK LTD. (Registrant)

By: /s/ Amnon Shemer

Amnon Shemer

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Chief Financial Officer

Date: September 5, 2006

ELTEK Ltd.

Amnon Shemer, CFO +972-3-9395023 amnons@eltek.co.il

Eltek Awarded \$1.2M High-End Flex-Rigid PCBs Orders for Medical Equipment

Eltek Expects Delivery of the Orders during the Remainder of 2006 Mainly in Q4 2006

PETACH-TIKVA, Israel, September 5, 2006 Eltek Ltd., the leading Israeli manufacturer of advanced Flex-Rigid circuitry solutions, today announced that it has received two orders valued at \$1.2M for flex rigid PCBs that will be used in the production of advanced medical equipment. The flex rigid PCBs are expected to be delivered during the remainder of 2006 mainly in the fourth quarter of 2006.

Arieh Reichart, President and Chief Executive Officer of Eltek, commented: This new order reflects the continuously increasing recognition of our high-end flex rigid PCBs capabilities that we have been gaining in our European and U.S. operations. Growing the revenue contribution from our high end PCB production is a key component of our corporate focus, as this higher margin revenue stream will have an ongoing positive impact on our revenue mix and associated operating margins, as well as on our overall corporate productivity and visibility, he concluded.

About the Company

Eltek is Israel s leading manufacturers of printed circuit boards, the core circuitry of most electronic devices. It specializes in the complex high-end of PCB manufacturing, i.e., HDI, multi-layered and flex-rigid boards. Eltek s technologically advanced circuitry solutions are used in today s increasingly sophisticated and compact electronic products. The Company has invested heavily in upgrading its production facilities over the past five years.

For more information, visit Eltek s World Wide Web site at www.eltekglobal.com.

Certain matters discussed in this news release are forward-looking statements that involve a number of risks and uncertainties including, but not limited to statements regarding expected results in future quarters, risks in product and technology development and rapid technological change, product demand, the impact of competitive products and pricing, market acceptance, the sales cycle, changing economic conditions and other risk factors detailed in the Company s filings with the United States Securities and Exchange Commission.