

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

**FORM 8-K**  
**CURRENT REPORT**

**Pursuant to Section 13 or 15(d) of The  
Securities Exchange Act of 1934**

Date of Report (Date of earliest event reported): May 9, 2018

**KLA-TENCOR CORPORATION**

(Exact name of registrant as specified in its charter)

Delaware

000-09992

04-2564110

(State or other jurisdiction of incorporation)

(Commission File Number)

(I.R.S. Employer Identification No.)

One Technology Drive, Milpitas, California

95035

(Address of principal executive offices)

(Zip Code)

Registrant's telephone number, including area code: (408) 875-3000

(Former name or former address, if changed since last report)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

**Item 1.01 Entry into a Material Definitive Agreement.**

On May 10, 2018, KLA-Tencor Corporation ("KLA-Tencor" or the "Company"), Orbotech Ltd. ("Orbotech") and Tiburon Merger Sub Technologies Ltd. ("Merger Sub") entered into Amendment No. 1 (the "Amendment") to the Agreement and Plan of Merger dated March 18, 2018 (the "Merger Agreement"). The Amendment: (i) clarified that the Excluded Shares (as defined below) would remain outstanding through the effective time of the merger, (ii) provided that Merger Sub (and, as a result of the merger, the surviving company) may be a wholly owned direct or indirect subsidiary of KLA-Tencor, and (iii) contained an acknowledgment that the confirmation received from the Israeli Investment Center of the Israeli Ministry of Economy (the "Investment Center") is not required with respect to the change in ownership of Orbotech to be effected by the merger is sufficient to satisfy a closing condition in the Merger Agreement relating to Investment Center approval, unless such confirmation is revoked withdrawn, or amended by the Investment Center prior to the closing of the merger. In the Amendment, "Excluded Shares" include Orbotech ordinary shares held in the treasury of Orbotech, reserved for future grants under Orbotech's employee and director equity compensation plans, owned on behalf of Orbotech by the trustee appointed by Orbotech from time to time in accordance with the provisions of the Israeli Income Tax Ordinance [New Version], 1961, or held by KLA-Tencor or any direct or indirect wholly-owned subsidiary of Orbotech or KLA-Tencor.

**Item 8.01 Other Events.**

On May 9, 2018, the German Federal Cartel Office provided antitrust clearance for the proposed merger with Orbotech.

**Additional Information and Where to Find It**

This current report is provided in respect of a proposed business combination involving KLA-Tencor and Orbotech. This current report does not constitute an offer to sell or the solicitation of an offer to buy or subscribe for any securities or a solicitation of any vote or approval nor shall there be any sale, issuance or transfer of securities in any jurisdiction in which such offer, solicitation or sale would be unlawful prior to registration or qualification under the securities laws of any such jurisdiction. The proposed transaction will be submitted to the shareholders of Orbotech for their consideration. KLA-Tencor intends to file with the SEC a Registration Statement on Form S-4 that will include a preliminary prospectus with respect to KLA-Tencor's common stock to be issued in the proposed transaction and a proxy statement of Orbotech in connection with the merger of an indirect subsidiary of KLA-Tencor with and into Orbotech, with Orbotech surviving. The information in the preliminary proxy statement/prospectus is not complete and may be changed. KLA-Tencor may not sell the common stock referenced in the proxy statement/prospectus until the Registration Statement on Form S-4 becomes effective. The proxy statement/prospectus will be provided to the Orbotech shareholders. KLA-Tencor and Orbotech also plan to file other documents with the SEC regarding the proposed transaction.

**This current report is not a substitute for any prospectus, proxy statement or any other document that KLA-Tencor or Orbotech may file with the SEC in connection with the proposed transaction. Investors and security holders of KLA-Tencor and Orbotech are urged to read the proxy statement/prospectus and any other relevant documents that will be filed with the SEC carefully and in their entirety when they become available because they will contain important information about the proposed transaction.**

You may obtain copies of all documents filed with the SEC regarding this transaction, free of charge, at the SEC's website ([www.sec.gov](http://www.sec.gov)). In addition, investors and security holders will be able to obtain free copies of the proxy statement/prospectus (when they become available) and other documents filed with the SEC by KLA-Tencor on KLA-Tencor's Investor Relations page ([ir.kla-tencor.com](http://ir.kla-tencor.com)) or by writing to KLA-Tencor Corporation, Investor Relations, 1 Technology Drive, Milpitas, CA 95035 (for documents filed with the SEC by KLA-Tencor), or by Orbotech on Orbotech's Investor Relations page ([investors.Orbotech.com](http://investors.Orbotech.com)) or by writing to Orbotech Ltd., Investor Relations, 7 Sanhedrin Boulevard, North Industrial Zone, Yavne 8110101 Israel (for documents filed with the SEC by Orbotech).

**Item 9.01 Financial Statements and Exhibits.**

(d) Exhibits

The following exhibit is filed herewith:

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**Exhibit No.**

**Description**

2.1

[Amendment No. 1 to Agreement and Plan of Merger dated May 10, 2018 by and among the Company, Orbotech Ltd. and Tiburon Merger Sub Technologies Ltd.](#)

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**SIGNATURES**

Pursuant to the requirements of the Securities Exchange Act of 1934, as amended, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

**KLA-TENCOR CORPORATION**

Date: May 11, 2018

By: /s/ TERI A. LITTLE  
Name: Teri A. Little  
Title: Executive Vice President and Chief Legal Officer

**AMENDMENT NO. 1 TO AGREEMENT AND PLAN OF MERGER**

AMENDMENT NO. 1 (this “**Amendment**”), dated May 11, 2018, to the Agreement and Plan of Merger, dated as of March 18, 2018 (the “**Merger Agreement**”), among KLA-Tencor Corporation, a Delaware corporation (“**Parent**”), Tiburon Merger Sub Technologies Ltd., a company organized under the Laws of the State of Israel and an indirect wholly owned subsidiary of Parent (“**Merger Sub**”), and Orbotech Ltd., a company organized under the Laws of the State of Israel (the “**Company**,” and together with Parent and Merger Sub, the “**Parties**”). Capitalized terms used in this Amendment and not otherwise defined shall have the meaning given to them in the Merger Agreement.

**RECITALS**

A. Section 8.4 of the Merger Agreement provides that, subject to Applicable Law, the Merger Agreement may be amended at any time by execution of an instrument in writing signed on behalf of each of Parent, Merger Sub and the Company, except that if the Merger Agreement has been approved by the shareholders of the Company in accordance with Israeli law, no amendment shall be made to the Merger Agreement that requires the approval of such shareholders of the Company without such approval.

B. As of the date of this Amendment, the Merger Agreement has not yet been approved by the shareholders of the Company.

C. Parent, Merger Sub, and the Company intended to provide in the Merger Agreement that each Company Share held in the treasury of the Company (dormant shares), together with any Company Shares reserved for future grants under the Company Plans, or owned by the 102 Trustee on behalf of the Company, or held by Parent or any direct or indirect wholly owned Subsidiary of the Company or of Parent immediately prior to the Effective Time, if any, would remain outstanding after the Effective Time, with no Merger Consideration or any other consideration due or delivered in exchange therefor.

D. Parent, Merger Sub, and the Company also desire to clarify that, notwithstanding anything in the Merger Agreement to the contrary, Merger Sub (and, as a result of the Merger, the Surviving Company) may be a wholly owned direct or indirect Subsidiary of Parent.

E. In addition, the Company has received confirmation from the Investment Center that the approval of the Investment Center is not required with respect to the change in ownership of the Company to be effected by the Merger.

F. Parent, Merger Sub, and the Company desire to amend certain terms of the Merger Agreement and to make certain acknowledgments as set forth below to properly reflect the intent set forth in Recitals C, D and E.

**AGREEMENT**

NOW, THEREFORE, in consideration of the foregoing premises and the matters set forth herein, as well as other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged and accepted, and intending to be legally bound, Parent, Merger Sub, and the Company hereby agree as follows:

1. *Owned Company Shares.* Section 2.7(a)(ii) of the Merger Agreement is amended and restated as follows:

“(ii) *Owned Company Shares.* Each Company Share held in the treasury of the Company (dormant shares), together with any Company Shares reserved for future grants under the Company Plans, or owned by the 102 Trustee on behalf of the Company, or held by Parent or any direct or indirect wholly owned Subsidiary of the Company or of Parent immediately prior to the Effective Time (collectively, the “**Excluded Company**”

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Shares”), if any, shall remain outstanding, and no Merger Consideration or any other consideration shall be due or delivered in exchange therefor.”

2. *Treatment of Company Options.* Section 2.9 of the Merger Agreement is amended and restated as follows:

“2.9 *No Further Ownership Rights in Company Shares.* From and after the Effective Time, except for Excluded Company Shares which shall be treated in accordance with Section 2.7(a)(ii), all issued and outstanding Company Shares shall no longer be outstanding and shall automatically be cancelled, retired and cease to exist, and each holder of a Certificate or Uncertificated Share theretofore representing any Company Shares shall cease to have any rights with respect thereto, except the right to receive the Merger Consideration payable therefor upon the surrender or acknowledgment of the conversion thereof in accordance with the provisions of Section 2.8. The Merger Consideration paid in accordance with the terms of this Article II shall be deemed to have been paid in full satisfaction of all rights pertaining to such Company Shares. From and after the Effective Time, there shall be no further registration of transfers on the records of the Surviving Company of Company Shares that were issued and outstanding immediately prior to the Effective Time, other than Excluded Company Shares. If, after the Effective Time, for any reason (a) Certificates are presented to the Surviving Company, or (b) acknowledgments are delivered to the Exchange Fund Agent of the conversion of any Uncertificated Shares, such Certificates or Uncertificated Shares, as the case may be, shall be cancelled and the holder thereof shall be entitled to receive the Merger Consideration, in each case as provided for, and in accordance with the procedures set forth, in this Article II.”

3. *Merger Sub.* Parent, Merger Sub, and the Company hereby agree and acknowledge that, (a) notwithstanding any reference in the Merger Agreement (i) to Merger Sub as an “indirect wholly owned subsidiary of Parent” or (ii) that, as a result of the Merger, the Surviving Company shall become “an indirect wholly owned direct Subsidiary of Parent” or an “indirect wholly owned Subsidiary of Parent,” Merger Sub may be (and the Surviving Company may become, as a result of the Merger) either a wholly owned direct or a wholly owned indirect Subsidiary of Parent, and (b) any reference in the Merger Agreement to any action to be taken by the “sole shareholder of Merger Sub” shall be deemed to include any such action that is taken by the unanimous approval of each of the shareholders of Merger Sub, in the event there is more than one such shareholder at the applicable time.

4. *Investment Center Approval.* Parent, Merger Sub and the Company hereby agree and acknowledge that, notwithstanding anything in the Merger Agreement to the contrary, the confirmation provided by the Investment Center to the Company on April 29, 2018, that the approval of the Investment Center is not required with respect to the change in ownership of the Company, shall be deemed to constitute the “Investment Center Approval” under the Merger Agreement and shall satisfy the condition to Closing set forth in Section 7.1(i) of the Merger Agreement, unless revoked, withdrawn, or amended by the Investment Center prior to Closing.

5. *Headings.* The headings set forth in this Amendment are for convenience of reference purposes only and shall not affect or be deemed to affect in any way the meaning or interpretation of this Amendment or any term or provision hereof.

6. *Confirmation of the Merger Agreement.* Other than as expressly modified pursuant to this Amendment, all provisions of the Merger Agreement remain unmodified and in full force and effect.

7. *Miscellaneous.* The provisions of Section 8.4 and Article IX (other than Section 9.1) of the Merger Agreement shall apply to this Amendment, *mutatis mutandis*.

[Signature page follows.]

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IN WITNESS WHEREOF, Parent, Merger Sub, and the Company have executed this Amendment as of the date written above.

**KLA-TENCOR CORPORATION**

By: /s/ Richard P. Wallace

Wallace

Chief Executive Officer

Name: Richard P.

Title: President and

**TIBURON MERGER SUB TECHNOLOGIES LTD.**

By: /s/ Virendra Kirloskar

Kirloskar

Name: Virendra

Title: Director

**ORBOTECH LTD.**

By: /s/ Asher Levy

Name: Asher Levy

Title: Chief Executive Officer

By: /s/ Amichai Steimberg

Name: Amichai Steimberg

Title: President and Chief Operating Officer