

KLA TENCOR CORP  
Form S-8  
June 22, 2007

Registration No. 333-

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# SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

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## FORM S-8

### REGISTRATION STATEMENT

*Under*

*The Securities Act of 1933*

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## KLA-TENCOR CORPORATION

(Exact name of registrant as specified in its charter)

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**Delaware**  
(State or other jurisdiction of  
incorporation or organization)

**04-2564110**  
(IRS Employer

Identification No.)

**160 Rio Robles**

**San Jose, California 95134-1809**

(Address, including zip code, of principal executive offices)

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**Therma-Wave, Inc. 2000 Equity Incentive Plan**

(Full titles of the Plans)

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**Jeffrey L. Hall**

**Chief Financial Officer**

**KLA-Tencor Corporation**

**160 Rio Robles**

**San Jose, California 95134-1809**

(Name, address including zip code, and telephone number,  
including area code, of agent for service)

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*Copies to:*

**William M. Kelly, Esq.**

**Davis Polk & Wardwell**

**1600 El Camino Real**

**Menlo Park, California 94025**

**(650) 752-2000**

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**CALCULATION OF REGISTRATION FEE**

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<b>Title of Securities to be Registered</b>	<b>Amount to be Registered (1)</b>	<b>Proposed Maximum Offering Price per Share (2)</b>	<b>Proposed Maximum Aggregate Offering Price (2)</b>	<b>Amount of Registration Fee</b>
Common Stock, \$0.01 par value	30,000	\$55.915	\$1,677,450.00	\$51.50

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- (1) This Registration Statement covers 30,000 shares underlying options assumed by KLA-Tencor Corporation pursuant to the Agreement and Plan of Merger dated as of January 7, 2007 among Therma-Wave, Inc., KLA-Tencor Corporation and Fenway Acquisition Corporation, a wholly-owned subsidiary of KLA-Tencor Corporation. This Registration Statement shall also cover any additional shares of common stock which become issuable under the plan covered by this Registration Statement by reason of any stock dividend, stock split, recapitalization or other similar transaction effected without the Registrant's receipt of consideration which results in an increase in the number of the outstanding shares of the Registrant's common stock.
  - (2) Calculated under Rule 457(h) of the Securities Act of 1933, as amended, on the basis of the average of the high and low selling prices per share of the Registrant's common stock on June 21, 2007 as reported by the NASDAQ Global Select Market.
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**PART II**

**Information Required in the Registration Statement**

Item 3. Incorporation of Documents by Reference

KLA-Tencor Corporation (the Registrant) hereby incorporates by reference into this Registration Statement the following documents previously filed with the Securities and Exchange Commission (the SEC):

- (a) The Registrant's Annual Report on Form 10-K for the fiscal year ended June 30, 2006, filed with the SEC on January 29, 2007;
- (b) The Registrant's Quarterly Report on Form 10-Q for the fiscal quarter ended September 30, 2006, filed with the SEC on January 29, 2007;
- (c) The Registrant's Quarterly Report on Form 10-Q for the fiscal quarter ended December 31, 2006, filed with the SEC on February 9, 2007;
- (d) The Registrant's Quarterly Report on Form 10-Q for the fiscal quarter ended March 31, 2007, filed with the SEC on May 7, 2007;
- (e) The Registrant's Current Reports on Form 8-K filed with the SEC on July 11, 2006; July 26, 2006; August 3, 2006; August 7, 2006; August 29, 2006; September 15, 2006; September 20, 2006; October 3, 2006 (Item 1.01); October 3, 2006 (Items 4.02, 5.04, 8.01 and 9.01, as amended and only to the extent filed and not furnished); October 6, 2006; October 12, 2006; October 18, 2006; October 30, 2006; November 6, 2006; November 16, 2006; December 27, 2006; January 5, 2007; January 31, 2007; February 2, 2007; February 22, 2007 (Item 1.01 only); February 27, 2007; March 15, 2007; April 5, 2007; May 4, 2007; and May 9, 2007;
- (f) The description of the Registrant's Common Stock as set forth in the Registration Statement filed by the Registrant on Form 8-A on March 29, 1989 (File No. 000-09992) pursuant to Section 12(g) of the Securities Exchange Act of 1934, as amended (the 1934 Act), and any amendments or reports thereto filed with the SEC for the purpose of updating such description, including Amendment No. 1 to Form 8-A filed September 25, 1995 and Amendment No. 2 to Form 8-A filed September 24, 1996; and
- (g) All other descriptions of the Registrant's Common Stock contained in a registration statement filed under the 1934 Act, including any amendment or report filed for the purpose of updating such description.

All reports and definitive proxy or information statements filed pursuant to Section 13(a), 13(c), 14 or 15(d) of the 1934 Act after the date of this Registration Statement and prior to the filing of a post-effective amendment which indicates that all securities offered hereby have been sold or which deregisters all securities then remaining unsold shall be deemed to be incorporated by reference into this Registration Statement and to be a part hereof from the date of filing of such documents. Any statement contained in a document incorporated or deemed to be incorporated by reference herein shall be deemed to be modified or superseded for purposes of this Registration Statement to the extent that a statement contained herein or in any subsequently filed document which also is deemed to be incorporated by reference herein modifies or supersedes such statement. Any such statement so modified or superseded shall not be deemed, except as so modified or superseded, to constitute a part of this Registration Statement.

Item 4. Description of Securities

Not Applicable.



Item 5. Interests of Named Experts and Counsel

Not Applicable.

Item 6. Indemnification of Directors and Officers

Section 145(a) of the Delaware General Corporation Law (the "DGCL") provides in relevant part that "[a] corporation shall have power to indemnify any person who was or is a party or is threatened to be made a party to any threatened, pending or completed action, suit or proceeding, whether civil, criminal, administrative or investigative (other than an action by or in the right of the corporation) by reason of the fact that the person is or was a director, officer, employee or agent of the corporation, or is or was serving at the request of the corporation as a director, officer, employee or agent of another corporation, partnership, joint-venture, trust or other enterprise, against expenses (including attorneys' fees), judgments, fines and amounts paid in settlement actually and reasonably incurred by the person in connection with such action, suit or proceeding if the person acted in good faith and in a manner the person reasonably believed to be in or not opposed to the best interests of the corporation, and, with respect to any criminal action or proceeding, had no reasonable cause to believe the person's conduct was unlawful. With respect to derivative actions, Section 145(b) of the DGCL provides in relevant part that "[a] corporation shall have power to indemnify any person who was or is a party or is threatened to be made a party to any threatened, pending or completed action or suit by or in the right of the corporation to procure a judgment in its favor by reason of the fact that the person is or was a director, officer, employee or agent of the corporation, or is or was serving at the request of the corporation as a director, officer, employee or agent of another corporation, partnership, joint venture, trust or other enterprise, against expenses (including attorneys' fees) actually and reasonably incurred by the person in connection with the defense or settlement of such action or suit if the person acted in good faith and in a manner reasonably believed to be in or not opposed to the best interests of the corporation and except that no indemnification shall be made in respect of any claim, issue or matter as to which such person shall have been adjudged to be liable to the corporation unless and only to the extent that the Court of Chancery or the court in which such action or suit was brought shall determine upon application that, despite the adjudication of liability but in view of all the circumstances of the case, such person is fairly and reasonably entitled to indemnity for such expenses which the Court of Chancery or such other court shall deem proper.

The Registrant's Amended and Restated Certificate of Incorporation provides that, to the fullest extent permitted by the DGCL, no director of the Registrant shall be personally liable to the Registrant or its stockholders for monetary damages for breach of fiduciary duty as a director. The Registrant's Amended and Restated Certificate of Incorporation also provides that no amendment or repeal of such provision shall apply to or have any effect on the right to indemnification permitted thereunder with respect to claims arising from acts or omissions occurring in whole or in part before the effective date of such amendment or repeal whether asserted before or after such amendment or repeal.

The Registrant's Bylaws provide that the Registrant shall indemnify to the fullest extent permitted by the DGCL each of its directors, officers, employees and other agents against expenses actually and reasonably incurred in connection with any proceeding arising by reason of the fact that such person is or was an agent of the Registrant.

The Registrant has entered into indemnification agreements with its directors and executive officers and intends to enter into indemnification agreements with any new directors and executive officers in the future.

Item 7. Exemption from Registration Claimed

Not Applicable.

Item 8. Exhibits

See Exhibit Index.

Item 9. Undertakings

A. The undersigned Registrant hereby undertakes:

(1) to file, during any period in which offers or sales are being made, a post-effective amendment to this Registration Statement (i) to include any prospectus required by Section 10(a)(3) of the Securities Act of 1933 (the "1933 Act"), (ii) to reflect in the prospectus any facts or events arising after the effective date of this Registration Statement (or the most recent post-effective amendment thereof) which, individually or in the aggregate, represent a fundamental change in the information set forth in this Registration Statement and (iii) to include any material information with respect to the plan of distribution not previously disclosed in this Registration Statement or any material change to such information in this Registration Statement; provided, however, that clauses (1)(i) and (1)(ii) shall not apply if the information required to be included in a post-effective amendment by those paragraphs is contained in periodic reports filed with or furnished to the SEC by the Registrant pursuant to Section 13 or Section 15(d) of the 1934 Act that are incorporated by reference into this Registration Statement;

(2) that for the purpose of determining any liability under the 1933 Act, each such post-effective amendment shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof; and

(3) to remove from registration by means of a post-effective amendment any of the securities being registered which remain unsold at the termination of the offering.

B. The undersigned Registrant hereby undertakes that, for purposes of determining any liability under the 1933 Act, each filing of the Registrant's annual report pursuant to Section 13(a) or Section 15(d) of the 1934 Act that is incorporated by reference into this Registration Statement shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof.

C. Insofar as indemnification for liabilities arising under the 1933 Act may be permitted to directors, officers, or controlling persons of the Registrant pursuant to the indemnification provisions summarized in Item 6 or otherwise, the Registrant has been advised that, in the opinion of the SEC, such indemnification is against public policy as expressed in the 1933 Act and is, therefore, unenforceable. In the event that a claim for indemnification against such liabilities (other than the payment by the Registrant of expenses incurred or paid by a director, officer, or controlling person of the Registrant in the successful defense of any action, suit, or proceeding) is asserted by such director, officer, or controlling person in connection with the securities being registered, the Registrant will, unless in the opinion of its counsel the matter has been settled by controlling precedent, submit to a court of appropriate jurisdiction the question whether such indemnification by it is against public policy as expressed in the 1933 Act and will be governed by the final adjudication of such issue.

**SIGNATURES**

Pursuant to the requirements of the Securities Act of 1933, as amended, the Registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-8 and has duly caused this Registration Statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of San Jose, State of California, on the 22nd day of June, 2007.

**KLA-TENCOR CORPORATION**

By: /s/ JEFFREY L. HALL  
Name: Jeffrey L. Hall  
Title: Chief Financial Officer

**POWER OF ATTORNEY**

KNOW ALL PERSONS BY THESE PRESENTS:

That the undersigned officers and directors of KLA-Tencor Corporation, a Delaware corporation, do hereby constitute and appoint Jeffrey L. Hall the lawful attorney-in-fact and agent with full power and authority to do any and all acts and things and to execute any and all instruments which said attorney and agent determines may be necessary or advisable or required to enable said corporation to comply with the Securities Act of 1933, as amended, and any rules or regulations or requirements of the Securities and Exchange Commission in connection with this Registration Statement. Without limiting the generality of the foregoing power and authority, the powers granted include the power and authority to sign the names of the undersigned officers and directors in the capacities indicated below to this Registration Statement, to any and all amendments, both pre-effective and post-effective, and supplements to this Registration Statement, and to any and all instruments or documents filed as part of or in conjunction with this Registration Statement or amendments or supplements thereof, and each of the undersigned hereby ratifies and confirms all that said attorney and agent shall do or cause to be done by virtue hereof. This Power of Attorney may be signed in several counterparts.

IN WITNESS WHEREOF, each of the undersigned has executed this Power of Attorney as of the date indicated.

Pursuant to the requirements of the Securities Act of 1933, as amended, this Registration Statement has been signed below by the following persons in the capacities and on the dates indicated.

<b>Signature</b>	<b>Title</b>	<b>Date</b>
/s/ RICHARD P. WALLACE Richard P. Wallace	Chief Executive Officer and Director (principal executive officer)	June 22, 2007
/s/ JEFFREY L. HALL Jeffrey L. Hall	Senior Vice President and Chief Financial Officer (principal financial officer and principal accounting officer)	June 22, 2007

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/s/ EDWARD W. BARNHOLT Edward W. Barnholt	Chairman of the Board and Director	June 22, 2007
/s/ ROBERT T. BOND Robert T. Bond	Director	June 22, 2007
/s/ JOHN T. DICKSON John T. Dickson	Director	June 22, 2007
/s/ STEPHEN P. KAUFMAN Stephen P. Kaufman	Director	June 22, 2007
/s/ KEVIN J. KENNEDY Kevin J. Kennedy	Director	June 22, 2007
/s/ LIDA URBANEK Lida Urbanek	Director	June 22, 2007
/s/ DAVID C. WANG David C. Wang	Director	June 22, 2007

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**EXHIBIT INDEX**

**Exhibit**

**Number Exhibit**

- 4.1(1) Amended and Restated Certificate of Incorporation.
  - 4.2(2) Certificate of Amendment of Amended and Restated Certificate of Incorporation.
  - 4.3(3) Bylaws of the Registrant, as amended.
  - 4.4(4) Amended and Restated Rights Agreement dated as of April 25, 1996, between the Registrant and The First National Bank of Boston, as Rights Agent. This agreement includes the Form of Right Certificate as Exhibit A thereto and the Summary of Terms of Rights as Exhibit B thereto.
  - 5.1 Opinion of Counsel.
  - 10.1(5) Therma-Wave, Inc. s 2000 Equity Incentive Plan.
  - 10.2(6) Amendment No. 1 to Therma-Wave, Inc. s 2000 Equity Incentive Plan.
  - 10.3(7) Amendment No. 2 to Therma-Wave, Inc. s 2000 Equity Incentive Plan.
  - 10.4(8) Amendment No. 3 to Therma-Wave, Inc. s 2000 Equity Incentive Plan.
  - 10.5(9) Amendment No. 4 to Therma-Wave, Inc. s 2000 Equity Incentive Plan.
  - 23.1 Consent of Independent Registered Public Accounting Firm.
  - 23.2 Consent of Counsel (included in Exhibit 5.1).
  - 24.1 Power of Attorney (included on signature page).
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- (1) Incorporated by reference to Exhibit 3.1 to the Registrant s Quarterly Report on Form 10-Q for the quarter ended March 31, 1997 (Commission File No. 000-09992).
  - (2) Incorporated by reference to Exhibit 3.1 to the Registrant s Quarterly Report on Form 10-Q for the quarter ended December 31, 2000 (Commission File No. 000-09992).
  - (3) Incorporated by reference to Exhibit 3.2 to the Registrant s Registration Statement on Form S-8, filed December 4, 1998 (Commission File No. 333-68415).
  - (4) Incorporated by reference to Exhibit 1 of the Registrant s report on Form 8-A/A Amendment No. 2 to the Registration Statement on Form 8-A filed September 24, 1996 (Commission File No. 000-09992).
  - (5) Incorporated by reference to Exhibit 10.22 to Therma-Wave, Inc. s Annual Report on Form 10-K for the fiscal year ended March 31, 2000 (Commission File No. 000-26911).
  - (6) Incorporated by reference to Exhibit 99.2 to Therma-Wave, Inc. s Registration Statement on Form S-8, filed February 22, 2002 (Commission File No. 333-83282).
  - (7) Incorporated by reference to Exhibit 99.1 to Therma-Wave, Inc. s Current Report on Form 8-K, filed August 27, 2004 (Commission File No. 000-26911).
  - (8) Incorporated by reference to Exhibit 99.2 to Therma-Wave, Inc. s Current Report on Form 8-K, filed August 27, 2004 (Commission File No. 000-26911).
  - (9) Incorporated by reference to Exhibit 10.21 to Therma-Wave, Inc. s Annual Report on Form 10-K for the fiscal year ended April 3, 2005 (Commission File No. 000-26911).