

THERMA WAVE INC  
Form SC TO-T/A  
May 18, 2007

Table of Contents

**SECURITIES AND EXCHANGE COMMISSION**  
**Washington, D.C. 20549**  
**SCHEDULE TO**  
**(Amendment No. 5)**  
**(Rule 14d-100)**  
**TENDER OFFER STATEMENT UNDER SECTION 14(d)(1) OR 13(e)(1)**  
**OF THE SECURITIES EXCHANGE ACT OF 1934**  
**THERMA-WAVE, INC.**  
**(Name of subject company (Issuer))**  
**KLA-TENCOR CORPORATION**  
**FENWAY ACQUISITION CORPORATION**  
**(Names of Filing Persons (Offerors))**

<b>Common Stock, \$0.01 par value per share</b>	<b>88343A108</b>
<b>Series B Convertible Preferred Stock, \$0.01 par value per share</b>	<b>NA</b>
<b>(Title of classes of securities)</b>	<b>(CUSIP number of classes of securities)</b>

**Jeffrey L. Hall**  
**Chief Financial Officer**  
**KLA-Tencor Corporation**  
**160 Rio Robles**  
**San Jose, California 95134-1809**  
**Telephone: (408) 875-3000**

*Copies to:*

**William M. Kelly, Esq.**  
**Davis Polk & Wardwell**  
**1600 El Camino Real**  
**Menlo Park, California 94025**  
**Telephone: (650) 752-2000**

*(Name, address, and telephone number of person authorized to receive notices and communications on behalf of Filing Persons)*

**CALCULATION OF FILING FEE**

<b>Transaction Valuation(1)</b>	<b>Amount of Filing Fee(2)</b>
<b>\$73,954,744</b>	<b>\$7,914</b>

- (1) Estimated for purposes of calculating the filing fee only. This amount is based upon an estimate of the maximum number of shares of Common Stock and Series B Convertible Preferred Stock of Therma-Wave to be purchased pursuant to the tender offer at the tender offer price of \$1.65 per share of Common Stock and \$1.65 per share of Common Stock into which each share of Series B Convertible Preferred Stock is convertible.
- (2) The amount of the filing fee calculated in accordance with the Securities Exchange Act of 1934, as amended, equals \$107.00 for each \$1,000,000 of value.
- Check the box if any part of the fee is offset as provided by Rule 0-11(a)(2) and identify the filing with which the offsetting fee was previously paid. Identify the previous filing by registration statement number, or the form or schedule and the date of its filing.

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Amount Previously Paid: \$ 7,914      Filing Party: KLA-Tencor Corporation and Fenway Acquisition Corporation  
Form of Registration: Schedule TO      Date Filed: January 18, 2007  
No.:

Check the box if the filing relates solely to preliminary communications made before the commencement of the tender offer.

Check the appropriate boxes below to designate any transactions to which the statement relates:

- third party tender offer subject to Rule 14d-1
- issuer tender offer subject to Rule 13e-4
- going private transaction subject to Rule 13e-3
- amendment to Schedule 13D under Rule 13d-2

Check the following box if the filing is a final amendment reporting the results of the tender offer:

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**Table of Contents**

CUSIP No. 88343A108

13D

NAMES OF REPORTING PERSONS:

KLA-TENCOR CORPORATION

**1**

I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY):

04-2564110

CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS):

**2**

(a)

(b)  N/A

SEC USE ONLY:

**3**

SOURCE OF FUNDS (SEE INSTRUCTIONS):

**4**

N/A

CHECK IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) OR 2(e):

**5**

N/A

CITIZENSHIP OR PLACE OF ORGANIZATION:

**6**

DELAWARE

SOLE VOTING POWER:

**7**

NUMBER OF 32,830,254

SHARED VOTING POWER:

SHARES BENEFICIALLY **8**

OWNED BY 0

EACH REPORTING PERSON	<b>9</b>	SOLE DISPOSITIVE POWER:  32,830,254
WITH	<b>10</b>	SHARED DISPOSITIVE POWER:  0

**11** AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON:  
  
0

**12** CHECK IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS):  
  
b

**13** PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11):  
  
88.1%

**14** TYPE OF REPORTING PERSON (SEE INSTRUCTIONS):  
  
CO

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**TABLE OF CONTENTS**

Items 1 through 9, and Item 11

Item 12. Exhibits

Item 13. Information Required by Schedule 13 E-3

SIGNATURE

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**Table of Contents**

**TENDER OFFER**

This Amendment No. 5 to Tender Offer Statement on Schedule TO (this Amendment) is filed by KLA-Tencor Corporation, a Delaware corporation (Parent), and Fenway Acquisition Corporation, a Delaware corporation and a wholly-owned subsidiary of Parent (Purchaser). This Amendment relates to the offer by Purchaser to purchase all of the outstanding shares of common stock, par value \$0.01 per share (Common Shares), of Therma-Wave, Inc., a Delaware corporation (the Company), at \$1.65 per Common Share, net to the seller in cash without interest, less any required withholding taxes, and all the outstanding shares of Series B Convertible Preferred Stock, par value \$0.01 per share (Preferred Shares), of the Company at \$1.65 per Common Share into which each Preferred Share is convertible at the time of the consummation of the Offer, net to the seller in cash without interest, less any required withholding taxes, upon the terms and subject to the conditions set forth in the Offer to Purchase dated January 18, 2007 (the Offer to Purchase) and in the related Letter of Transmittal, copies of which are attached as Exhibits (a)(1)(i) and (a)(1)(ii) (which, together with any amendments or supplements thereto, collectively constitute the Offer). Capitalized terms used and not defined herein shall have the meanings assigned to such terms in the Offer to Purchase.

The information set forth in the Offer to Purchase and the related Letter of Transmittal is incorporated herein by reference with respect to Items 1 through 9 and 11 of this Schedule TO, except that such information is hereby amended and supplemented to the extent specifically provided herein.

**Items 1 through 9, and Item 11.**

Items 8 and 11 of the Schedule TO are hereby amended and supplemented by adding the following text thereto:

The initial period of the Offer expired at 12:00 Midnight, New York City time, on Thursday, May 17, 2007. According to Computershare Shareholder Services, Inc., the depositary for the Offer, as of 12:00 Midnight, New York City time, on Thursday, May 17, 2007, 32,830,254 Common Shares were tendered pursuant to the Offer and not withdrawn (including 606,928 Shares that were tendered pursuant to the guaranteed delivery procedures set forth in the Offer to Purchase), representing approximately 88.1% of all outstanding Common Shares, and all Preferred Shares were tendered pursuant to the Offer. Purchaser has accepted for payment all Shares that were validly tendered and not withdrawn.

On May 18, 2007, KLA-Tencor commenced a subsequent offering period for all remaining untendered Common Shares that will expire at 5:00 p.m., New York City time, on Thursday, May 24, 2007. During the subsequent offering period, holders of Common Shares who did not previously tender their Common Shares into the Offer may do so and will promptly receive the same purchase price to be paid pursuant to the Offer of \$1.65 per Common Share, net to the seller in cash without interest, less any required withholding taxes. The procedures for accepting the Offer and tendering Common Shares during the subsequent offering period are the same as those described for the Offer in the Offer to Purchase except that (i) guaranteed delivery procedures may not be used during the subsequent offering period and (ii) Shares tendered during the subsequent offering period may not be withdrawn.

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**Table of Contents**

**Item 12. Exhibits.**

- (a)(1)(i) Offer to Purchase, dated January 18, 2007.\*
- (a)(1)(ii) Form of Letter of Transmittal.\*
- (a)(1)(iii) Form of Notice of Guaranteed Delivery.\*
- (a)(1)(iv) Form of Letter to Brokers, Dealers, Commercial Banks, Trust Companies and Other Nominees.\*
- (a)(1)(v) Form of Letter to Clients for use by Brokers, Dealers, Commercial Banks, Trust and Other Nominees.\*
- (a)(1)(vi) Guidelines for Certification of Taxpayer Identification Number on Substitute Form W-9.\*

\* Previously  
Filed.

**Item 13. Information Required by Schedule 13 E-3.**

Not applicable.

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**Table of Contents**

**SIGNATURE**

After due inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Dated: May 18, 2007

KLA-TENCOR CORPORATION

By: /s/ Brian M. Martin  
Brian M. Martin  
Senior Vice President and  
General Counsel

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**Table of Contents**

**Exhibit Index**

**Exhibit**

<b>No.</b>	<b>Description</b>
(a)(1)(i)	Offer to Purchase, dated January 18, 2007.*
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(a)(1)(iii)	Form of Notice of Guaranteed Delivery.*
(a)(1)(iv)	Form of Letter to Brokers, Dealers, Commercial Banks, Trust Companies and Other Nominees.*
(a)(1)(v)	Form of Letter to Clients for use by Brokers, Dealers, Commercial Banks, Trust and Other Nominees.*
(a)(1)(vi)	Guidelines for Certification of Taxpayer Identification Number on Substitute Form W-9.*

\* Previously  
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