

Torton Shay
 Form 3
 December 12, 2008

FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

OMB APPROVAL

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INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934,
 Section 17(a) of the Public Utility Holding Company Act of 1935 or Section
 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

| | | | | |
|---|---------|--------------------------------------|--|--|
| 1. Name and Address of Reporting Person * | | 2. Date of Event Requiring Statement | 3. Issuer Name and Ticker or Trading Symbol | |
| Â Torton Shay | | (Month/Day/Year) | KULICKE & SOFFA INDUSTRIES INC [klic] | |
| (Last) | (First) | (Middle) | 4. Relationship of Reporting Person(s) to Issuer | 5. If Amendment, Date Original Filed(Month/Day/Year) |
| | | 12/04/2008 | | |
| 1005 VIRGINIA DRIVE | | | (Check all applicable) | 6. Individual or Joint/Group Filing(Check Applicable Line) |
| (Street) | | | <input type="checkbox"/> Director <input type="checkbox"/> 10% Owner | <input checked="" type="checkbox"/> Form filed by One Reporting Person |
| | | | <input checked="" type="checkbox"/> Officer <input type="checkbox"/> Other | <input type="checkbox"/> Form filed by More than One Reporting Person |
| | | | (give title below) (specify below) | |
| | | | Vice President, Manufacturing | |

FORT
 WASHINGTON, Â PA Â 19034
 (City) (State) (Zip)

Table I - Non-Derivative Securities Beneficially Owned

| 1. Title of Security (Instr. 4) | 2. Amount of Securities Beneficially Owned (Instr. 4) | 3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5) | 4. Nature of Indirect Beneficial Ownership (Instr. 5) |
|---------------------------------|---|--|---|
| Common Stock | 44,030 | D | Â |
| Common Stock | 1,000 | I | By K&S Incentive Savings Plan |

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly. SEC 1473 (7-02)

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Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

| 1. Title of Derivative Security (Instr. 4) | 2. Date Exercisable and Expiration Date (Month/Day/Year) | 3. Title and Amount of Securities Underlying Derivative Security (Instr. 4) | 4. Conversion or Exercise Price of Derivative | 5. Ownership Form of Derivative Security: | 6. Nature of Indirect Beneficial Ownership (Instr. 5) |
|--|--|---|---|---|---|
|--|--|---|---|---|---|

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| | Date Exercisable | Expiration Date | Title | Amount or Number of Shares | Security | Direct (D) or Indirect (I) (Instr. 5) | |
|-----------------------------|---------------------------|-----------------|--------------|----------------------------|------------|---------------------------------------|---|
| Option to Buy - Option Plan | 10/02/2008 ⁽¹⁾ | 10/02/2017 | Common Stock | 13,375 | \$ 8.74 | D | Â |
| Option to Buy - Option Plan | 10/03/2007 ⁽²⁾ | 10/03/2016 | Common Stock | 12,375 | \$ 8.5 | D | Â |
| Option to Buy - Option Plan | 10/29/2005 ⁽³⁾ | 10/29/2014 | Common Stock | 27,000 | \$ 7.14 | D | Â |
| Option to Buy - Option Plan | 10/07/2004 ⁽⁴⁾ | 10/07/2013 | Common Stock | 16,000 | \$ 12.05 | D | Â |
| Option to Buy - Option Plan | 10/03/2003 ⁽⁵⁾ | 10/03/2012 | Common Stock | 14,000 | \$ 2.95 | D | Â |
| Option to Buy - Option Plan | 11/20/2002 ⁽⁶⁾ | 11/20/2011 | Common Stock | 23,000 | \$ 16.12 | D | Â |
| Option to Buy - Option Plan | 10/19/2001 ⁽⁷⁾ | 10/19/2010 | Common Stock | 18,800 | \$ 14.375 | D | Â |
| Option to Buy - Option Plan | 09/28/2000 ⁽⁸⁾ | 09/28/2009 | Common Stock | 18,200 | \$ 12.9375 | D | Â |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|---|---------------|-----------|---------------------------------|-------|
| | Director | 10% Owner | Officer | Other |
| Torton Shay 1005 VIRGINIA DRIVE FORT WASHINGTON, PA 19034 | Â | Â | Â Vice President, Manufacturing | Â |

Signatures

Susan L. Waters, Attorney-in-Fact for Shay Torton 12/12/2008

__Signature of Reporting Person

Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, *see* Instruction 5(b)(v).
- ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. *See* 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- (1) 4,458 options currently exercisable and 4,458 options become exercisable on 10/2/09 and 4,459 options become exercisable on 10/2/10.
- (2) 8,250 options currently exercisable and 4,125 options become exercisable on 10/3/09.
- (3) 4,500 options become exercisable on 10/29/09.
- (4) 16,000 options currently exercisable.
- (5) 14,000 options currently exercisable.
- (6) 23,000 options currently exercisable.

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(7) 18,800 options currently exercisable.

(8) 18,200 options currently exercisable.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *See* Instruction 6 for procedure.

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