

Livingston Jason  
Form 4  
March 22, 2010

# FORM 4

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

OMB APPROVAL

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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

## STATEMENT OF CHANGES IN 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 \*  
Livingston Jason

2. Issuer Name and Ticker or Trading Symbol  
KULICKE & SOFFA INDUSTRIES INC [KLIC]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)  
1005 VIRGINIA DRIVE  
(Street)

3. Date of Earliest Transaction (Month/Day/Year)  
03/18/2010

\_\_\_\_ Director \_\_\_\_\_ 10% Owner  
 Officer (give title below) \_\_\_\_\_ Other (specify below)  
VP Wedge Bonding

FORT WASHINGTON, PA US  
19034

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)  
 Form filed by One Reporting Person  
\_\_\_\_ Form filed by More than One Reporting Person

(City) (State) (Zip)

### Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

| 1. Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date, if any (Month/Day/Year) | 3. Transaction Code (Instr. 8) | 4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Ownership (Instr. 4) |  |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|-----------------------------------|--|
|                                 |                                      |  | Code                           | V   | Amount (A) or (D) Price   |  |                                   |  |
| Common Stock                    | 03/18/2010                           |  | S                              |   | 7,200<br>(1)  | D  | \$ 7.0484 191,160 I               | By OE Holdings Inc., formerly Orthodyne Electronics Inc. |
| Common Stock                    | 03/18/2010                           |  | S                              |   | 10,000<br>(2)   | D  | \$ 7.0498 353,686 D               |  |
| Common Stock                    | 03/19/2010                           |  | S                              |   | 7,200<br>(1)  | D  | \$ 6.8676 183,960 I               | By OE Holdings   |

Inc.,  
formerly  
Orthodyne  
Electronics  
Inc.

|                 |            |  |   |                      |   |              |         |   |
|-----------------|------------|--|---|----------------------|---|--------------|---------|---|
| Common<br>Stock | 03/19/2010 |  | S | 10,000<br><u>(2)</u> | D | \$<br>6.8871 | 343,686 | D |
|-----------------|------------|--|---|----------------------|---|--------------|---------|---|

|                 |  |  |  |  |  |  |     |   |
|-----------------|--|--|--|--|--|--|-----|---|
| Common<br>Stock |  |  |  |  |  |  | 758 | I |
|-----------------|--|--|--|--|--|--|-----|---|

By Kulicke  
and Soffa  
Incentive  
Savings  
Plan

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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SEC 1474  
(9-02)

**Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned  
(e.g., puts, calls, warrants, options, convertible securities)**

| 1. Title of<br>Derivative<br>Security<br>(Instr. 3) | 2. Conversion<br>or Exercise<br>Price of<br>Derivative<br>Security | 3. Transaction Date<br>(Month/Day/Year) | 3A. Deemed<br>Execution Date, if<br>any<br>(Month/Day/Year) | 4. Transaction<br>Code<br>(Instr. 8) | 5. Number<br>of<br>Derivative<br>Securities<br>Acquired<br>(A) or<br>Disposed<br>of (D)<br>(Instr. 3,<br>4, and 5) | 6. Date Exercisable and<br>Expiration Date<br>(Month/Day/Year) | 7. Title and<br>Amount of<br>Underlying<br>Securities<br>(Instr. 3 and 4) | 8. Price of<br>Derivative<br>Security<br>(Instr. 5) | 9. Number<br>of<br>Derivative<br>Securities<br>Beneficially<br>Owned<br>Following<br>Transaction<br>(Instr. 6) |
|---|--|---|---|--------------------------------------|--|--|---|---|--|
|   |  |   |   | Code                                 | V (A) (D)  | Date<br>Exercisable  | Expiration<br>Date  | Title   | Amount<br>or<br>Number<br>of<br>Shares   |

## Reporting Owners

| Reporting Owner Name / Address  | Relationships |           |                        |       |
|---|---------------|-----------|------------------------|-------|
|   | Director      | 10% Owner | Officer                | Other |
| Livingston Jason<br>1005 VIRGINIA DRIVE<br>FORT WASHINGTON, PA US 19034 |               |           | VP<br>Wedge<br>Bonding |       |

## Signatures

Susan L. Waters, Attorney-in-Fact for Jason  
Livingston

03/22/2010

\_\_Signature of Reporting Person

Date

## Explanation of Responses:

- \* If the form is filed by more than one reporting person, *see* Instruction 4(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) The shares covered by this Form 4 were sold pursuant to a Rule 10b5-1(c) sales plan of OE Holdings Inc., dated August 17, 2009.
  - (2) The shares covered by this Form 4 were sold pursuant to a Rule 10b5-1(c) sales plan dated August 17, 2009.

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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