

Rheault Christian  
 Form 4  
 February 04, 2011

**FORM 4**

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

OMB APPROVAL

OMB Number: 3235-0287  
 Expires: January 31, 2005  
 Estimated average burden hours per response... 0.5

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 \*  
 Rheault Christian

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)  
 02/03/2011

\_\_\_\_ Director \_\_\_\_\_ 10% Owner  
 Officer (give title below) \_\_\_\_\_ Other (specify below)  
 Senior Vice President

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)
				(A) or (D)	Price		
Common Stock	02/03/2011		S	7,142	D \$ 10.2	73,596	D
Common Stock	02/03/2011		S	1,300	D \$ 10.21	72,296	D
Common Stock	02/03/2011		S	300	D \$ 10.3	71,996	D
Common Stock	02/03/2011		M	31,950	A \$ 7.14	103,946	D
Common Stock	02/03/2011		S	31,950	D \$ 10.2	71,996	D

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Common Stock	02/03/2011	M	13,900	A	\$ 8.5	85,896	D
Common Stock	02/03/2011	S	9,536	D	\$ 10.2	76,360	D
Common Stock	02/03/2011	S	4,364	D	\$ 10.22	71,996	D
Common Stock	02/03/2011	M	18,000	A	\$ 8.74	89,996	D
Common Stock	02/03/2011	S	4,736	D	\$ 10.22	85,260	D
Common Stock	02/03/2011	S	11,864	D	\$ 10.23	73,396	D
Common Stock	02/03/2011	S	300	D	\$ 10.24	73,096	D
Common Stock	02/03/2011	S	200	D	\$ 10.3	72,896	D
Common Stock	02/03/2011	S	900	D	\$ 10.31	71,996	D

Common Stock						6,344	I	By Kulicke and Soffa Incentive Savings Plan
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Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

**Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.**

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 Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)		
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
	\$ 7.14	02/03/2011		M	31,950	(2)	10/30/2014		31,950

Option to Buy-Option Plan								Common Stock	
Option to Buy-Option Plan	\$ 8.5	02/03/2011	M	13,900	(1)	10/04/2016	Common Stock	13,900	
Option to Buy-Option Plan	\$ 8.74	02/03/2011	M	18,000	(1)	10/03/2017	Common Stock	18,000	

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Rheault Christian 1005 VIRGINIA DRIVE FORT WASHINGTON, PA US 19034			Senior Vice President	

## Signatures

Susan L. Waters, Attorney-in-Fact for Christian Rheault	02/04/2011
**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) Grant had a graded vesting schedule. All options vested 3 years after grant.
- (2) Grant had a graded vesting schedule. All options vested 5 years after grant.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.