

Thompson Mitchell L
 Form 4/A
 May 31, 2011

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 *
 Thompson Mitchell L

2. Issuer Name and Ticker or Trading Symbol
 Measurement Specialties Inc
 [MEAS]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)
 1000 LUCAS WAY
 (Street)

3. Date of Earliest Transaction (Month/Day/Year)
 05/26/2011

____ Director _____ 10% Owner
 Officer (give title below) _____ Other (specify below)
 Vice President, Technology

HAMPTON, VA 23666
 (City) (State) (Zip)

4. If Amendment, Date Original Filed(Month/Day/Year)
 05/31/2011

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

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, no par value | 05/26/2011 | | M | | 3,000 A \$ 4.85 | 3,420 | D |
| Common Stock, no par value | 05/26/2011 | | S | | 3,000 D \$ 36 | 420 | D |
| Common Stock, no par value | 05/31/2011 | | M | | 5,000 A \$ 7.1 | 5,420 | D |
| Common Stock, no par value | 05/31/2011 | | S | | 5,000 D \$ 37 | 420 | D |

par value

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

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(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) | 8. Price or Derivative Security (Instr. 3) | |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|--|----------------------------|
| | | | | | | Date Exercisable | Expiration Date | Title | Amount or Number of Shares |
| | | | | | | Code | V | (A) | (D) |
| Option (Right to Buy) | \$ 4.85 | 05/26/2011 | | M | 3,000 | (1) | (2) | Common Stock, no par value | 3,000 |
| Option (Right to Buy) | \$ 7.1 | 05/31/2011 | | M | 5,000 | (3) | (4) | Common Stock, no par value | 5,000 |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|--|---------------|-----------|----------------------------|-------|
| | Director | 10% Owner | Officer | Other |
| Thompson Mitchell L 1000 LUCAS WAY HAMPTON, VA 23666 | | | Vice President, Technology | |

Signatures

/s/ Mitchell L.
Thompson

05/31/2011

**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) 3,000 options exercisable on each of December 1, 2010, December 1, 2011, and December 1, 2012.
- (2) 3,000 options expire on each of December 1, 2015, December 1, 2016 and December 1, 2017.
- (3) 5,000 options exercisable on each of July 1, 2011 and July 1, 2012.
- (4) 5,000 options expire each on July 1, 2016 and July 1, 2017.

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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