Stultz Timothy J Form 4 February 26, 2018

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

3235-0287

Expires:

January 31, 2005

0.5

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if no longer subject to Section 16. Form 4 or Form 5 obligations may continue.

Check this box

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

1(b).

(Last)

(City)

(Print or Type Responses)

See Instruction

1. Name and Address of Reporting Person * Stultz Timothy J

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

NANOMETRICS INC [NANO]

(First)

(Street)

(State)

(Middle)

(Zip)

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

X_ Director Officer (give title below)

10% Owner Other (specify

C/O NANOMETRICS, INC., 1550

BUCKEYE DRIVE

4. If Amendment, Date Original

Filed(Month/Day/Year)

02/22/2018

6. Individual or Joint/Group Filing(Check

Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting

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

MILPITAS, CA 95035

| | | | | | | | [, F | , | -5 |
|-----------------|---------------------|--------------------|-------------------------------|--------------|------------|--------------|-------------------|--------------|--------------|
| 1.Title of | 2. Transaction Date | 2A. Deemed | 3. | 4. Securit | ies Ac | quired | 5. Amount of | 6. Ownership | 7. Nature of |
| Security | (Month/Day/Year) | Execution Date, if | Transaction(A) or Disposed of | | Securities | Form: Direct | Indirect | | |
| (Instr. 3) | | any | Code | Code (D) | | Beneficially | (D) or | Beneficial | |
| | | (Month/Day/Year) | (Instr. 8) | (Instr. 3, 4 | 4 and 5 | 5) | Owned | Indirect (I) | Ownership |
| | | • | | | | | Following | (Instr. 4) | (Instr. 4) |
| | | | | | (4) | | Reported | | |
| | | | | | (A) | | Transaction(s) | | |
| | | | | | or | | (Instr. 3 and 4) | | |
| | | | Code V | Amount | (D) | Price | (Instr. 5 tile 1) | | |
| Common Stock | 02/22/2018 | | M | 22,500 | A | \$0 | 342,087 | D | |
| Common Stock | 02/23/2018 | | M | 20,000 | A | \$0 | 362,087 | D | |

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

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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 onDerivative Securities Acquired (A) or Disposed (D) (Instr. 3, 4, and 5) | Expiration I (Month/Day | 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 | Amoun or Numbe of Shar | |
| Performance Stock Units | (1) | 02/22/2018 | | M | 22,500 | (2) | 02/22/2029 | Common Stock | 22,50 | |
| Performance Stock Unit | <u>(3)</u> | 02/23/2018 | | M | 20,000 | (2) | 02/24/2018 | Common Stock | 20,00 | |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | | | |
|---------------------------------------------------------------------------------------|---------------|-----------|---------|-------|--|--|
| • 0 | Director | 10% Owner | Officer | Other | | |
| Stultz Timothy J C/O NANOMETRICS, INC. 1550 BUCKEYE DRIVE MILPITAS, CA 95035 | X | | | | | |

Signatures

/s/ Janet Taylor, Attorney-in-Fact 02/26/2018

**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).

Shares are represented by performance stock units, each of which represents a contingent right to receive one share of NANO common stock. Of these performance stock units, performance stock units covering 22,500 shares converted into restricted stock units to acquire

- (1) 15,000 shares, which will vest as set forth in note (1) above, and are reflected on Table I. The remaining performance stock units covering 22,500 shares will vest on February 22, 2018, provided that certain price performance targets are met. 2/3rds will vest if target price performance is met, and 100% will vest if maximum price performance is met.
- Shares are represented by performance stock units. Each performance stock unit represents a contingent right to receive one share of NANO common stock. The performance stock units vest on an annual basis, in equal 1/3rd target increments, over a three-year period, provided that certain price performance targets are met. 2/3rds will vest for each increment if target price performance is met for that increment and 100% will vest if maximum price performance is met for that increment.
- (3) Shares are represented by restricted stock units. Each restricted stock unit represents a contingent right to receive one share of NANO common stock. The restricted stock units vest on an annual basis, in equal 1/3rd increments, over a three-year period from the award date.

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

Reporting Owners 2

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