COATES VINCENT J

Form 4 January 08, 2009

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB APPROVAL OMB

3235-0287 Number:

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

obligations

may continue.

See Instruction

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)

1. Title of

Security

(Instr. 3)

(Print or Type Responses)

1. Name and Address of Reporting Person * COATES VINCENT J

(First)

(State)

2. Issuer Name and Ticker or Trading Symbol

NANOMETRICS INC [NANO]

5. Relationship of Reporting Person(s) to

(Check all applicable)

Issuer

below)

(Middle)

3. Date of Earliest Transaction

X_ Director

Officer (give title

X 10% Owner

Other (specify

C/O NANOMETRICS **INCORPORATED, 1550 BUCKEYE DRIVE**

> (Street) 4. If Amendment, Date Original

> > Filed(Month/Day/Year)

(Month/Day/Year)

01/06/2009

6. Individual or Joint/Group Filing(Check

Applicable Line)

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

D

MILPITAS, CA 95035

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 2. Transaction Date 2A. Deemed (Month/Day/Year) Execution Date, if

(Zip)

3. 4. Securities TransactionAcquired (A) or Code Disposed of (D) (Instr. 3, 4 and 5) (Instr. 8)

5. Amount of Securities Beneficially (D) or Owned Indirect (I) Following (Instr. 4) Reported

6. Ownership 7. Nature of Form: Direct Indirect Beneficial Ownership (Instr. 4)

(A) or

Transaction(s) (Instr. 3 and 4)

Code V Amount Price (D)

Common 2,000 01/06/2009 \$0 A (1) Stock

(Month/Day/Year)

3,500,614

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

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

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

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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. Transactio Code (Instr. 8)	5. Number on f Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exerc Expiration D (Month/Day/	ate	7. Title and Amount Underlying Securitie (Instr. 3 and 4)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amour or Number of Shares
Non-Qualified Stock Option (right to buy)	\$ 1.5	01/06/2009		A	2,500 (2)	(2)	01/06/2014	Common Stock	2,50

Reporting Owners

Reporting Owner Name / Address	Relationships					
	Director	10% Owner	Officer	Other		
COATES VINCENT J C/O NANOMETRICS INCORPORATED 1550 BUCKEYE DRIVE MILPITAS, CA 95035	X	X				
Signatures						
/s/ Quentin Wright, by power of attorney	01/08/2009					
**Signature of Reporting Person	Dat	e				

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 restricted stock units. Each restricted stock unit represents a contingent right to receive on share of NANO

- common stock. The restricted stock units vest in three equal annual installments, with the first vesting event occurring on the later of the (1) first anniversary of the date of grant and the opening of any applicable Company trading window; the second vesting event occurring on the later of the second anniversary of the date of grant and the opening of any applicable Company trading window; and the third vesting event occurring on the later of the third anniversary of the date of grant and the opening of any applicable Company trading window.
- (2) The Option becomes exercisable in three equal annual installments beginning on the first anniversary of the date of the 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.

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