Coates Norman V Form 4 August 26, 2011

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

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Expires:

January 31, 2005

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response...

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

(Print or Type Responses)

1(b).

1. Name and Address of Reporting Person * Coates Norman V

2. Issuer Name and Ticker or Trading Symbol

NANOMETRICS INC [NANO]

5. Relationship of Reporting Person(s) to

Issuer

(Last)

(City)

(First)

(Middle)

(Zip)

3. Date of Earliest Transaction

(Month/Day/Year) 08/24/2011

(Check all applicable)

X_ Director 10% Owner Officer (give title Other (specify below)

C/O NANOMETRICS, INC., 1550 **BUCKEYE DRIVE**

(State)

(Street)

4. If Amendment, Date Original

Filed(Month/Day/Year)

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

						-	•		-
1.Title of Security	2. Transaction Date (Month/Day/Year)		3. Transactio	4. Securition(A) or Dis	•		5. Amount of Securities	6. Ownership Form: Direct	7. Nature of Indirect
(Instr. 3)		any	Code	(D)			Beneficially	(D) or	Beneficial
		(Month/Day/Year)	(Instr. 8)	(Instr. 3, 4	and 5))	Owned	Indirect (I)	Ownership
							Following Reported	(Instr. 4)	(Instr. 4)
					(A)		Transaction(s)		
			C = V		or	ъ.	(Instr. 3 and 4)		
			Code V	Amount	(D)	Price			Caa
Common	08/24/2011		S	25,000	D	\$ 16	1,282,460	I	See Footnote
Stock				<u>(1)</u>		7	-,,		(2)
Common									
Stock							1,985	D	
DIOCK									

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	2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exerc	cisable and	7. Title	and	8. Price of	9. Nu
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transactio	onNumber	Expiration D	ate	Amoun	t of	Derivative	Deriv
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Underly	ying	Security	Secui
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivative	e		Securit	ies	(Instr. 5)	Bene
	Derivative				Securities			(Instr. 3	3 and 4)		Own
	Security				Acquired						Follo
	•				(A) or						Repo
					Disposed						Trans
					of (D)						(Instr
					(Instr. 3,						
					4, and 5)						
									A manuat		
									Amount		
						Date	Expiration		Or Number		
						Exercisable	Date		Number		
				C + V	(A) (D)				of		
				Code V	(A) (D)				Shares		

Reporting Owners

Reporting Owner Name / Address	Relationships						
Transfer and the same and the s	Director	10% Owner	Officer	Other			
Coates Norman V							
C/O NANOMETRICS, INC.	X						
1550 BUCKEYE DRIVE	Λ						

Signatures

MILPITAS, CA 95035

/s/ Ronald W. Kisling, 08/25/2011 Attorney-in-Fact

> **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).
- The sales reported in this Form 4 were effected pursuant to a Rule 10b5-1 trading plan adopted by the Vincent J. Coates Separate **(1)** Property Trust on February 23, 2011.
- Shares held of record by the Vincent J. Coates Separate Property Trust, U/D/T dated August 7, 1981, for which Norman Coates and Stella Coates act as co-trustees.

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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