NANOMETRICS INC

Form 4

February 19, 2014

FORM 4

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

OMB 3235-0287 Number:

burden hours per

response...

OMB APPROVAL

Check this box if no longer subject to Section 16. Form 4 or

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

January 31, Expires: 2005 Estimated average

0.5

Form 5 obligations may continue. See Instruction

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).

(Print or Type Responses)

1. Name and Address of Reporting Person * Crawford Bruce A			2. Issuer Name and Ticker or Trading Symbol NANOMETRICS INC [NANO]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)		
(Last)	(First)	(Middle)	3. Date of Earliest Transaction	(enser an approach)		
			(Month/Day/Year)	Director 10% Owner		
C/O NANOMETRICS, INC., 1550 BUCKEY DRIVE		NC., 1550	02/14/2014	X Officer (give title Other (specify below)		
				Chief Operating Officer		
	(Street)		4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check		
			Filed(Month/Day/Year)	Applicable Line) _X_ Form filed by One Reporting Person		
MILPITAS, CA 95035				Form filed by More than One Reporting Person		

(City)	(State)	(Zip) Tabl	e I - Non-D	erivative S	Securi	ties Acqu	ired, Disposed of	, or Beneficial	ly Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. 4. Securities Acquired Transaction(A) or Disposed of (D) Code (Instr. 3, 4 and 5)		5. Amount of Securities Beneficially Owned Following Reported Transaction(s)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)		
			Code V	Amount	or (D)	Price	(Instr. 3 and 4)		
Common Stock	02/14/2014		S(1)	14,686	D	\$ 18.63 (2)	42,525	D	
Common Stock	02/17/2014		F	1,388	D	\$ 18.7	41,137	D	
Common Stock	02/18/2014		M <u>(1)</u>	1,667	A	\$ 1.17	42,804	D	
Common Stock	02/18/2014		M <u>(1)</u>	3,443	A	\$ 7.5	46,247	D	
Common Stock	02/18/2014		M(1)	12,500	A	\$ 13.08	58,747	D	

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Common Stock	02/18/2014	M <u>(1)</u>	795	A	\$ 11.37	59,542	D
Common Stock	02/18/2014	S(1)	26,278	D	\$ 18.52 (3)	33,264	D
Common Stock	02/19/2014	M <u>(1)</u>	560	A	\$ 11.37	33,824	D
Common Stock	02/19/2014	M <u>(1)</u>	3,333	A	\$ 15.85	37,157	D
Common Stock	02/19/2014	S <u>(1)</u>	3,893	D	\$ 18.42 (4)	33,264	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 of (D) (Instr. 3, 4, and 5)	Expiration Date (Month/Day/Year) uired (A) Disposed of tr. 3, 4,		7. Title and Amour Underlying Securit (Instr. 3 and 4)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amo or Num of Sh
Non-Qualified Stock Option (Right to Buy)	\$ 1.17	02/18/2014		M <u>(1)</u>	1,667	<u>(5)</u>	02/25/2016	Common Stock	1,6
Non-Qualified Stock Option (Right to Buy)	\$ 7.5	02/18/2014		M <u>(1)</u>	3,443	<u>(6)</u>	09/03/2016	Common Stock	3,4
Non-Qualified Stock Option (Right to Buy)	\$ 13.08	02/18/2014		M <u>(1)</u>	12,500	<u>(7)</u>	11/17/2016	Common Stock	12,
Non-Qualified Stock Option (Right to Buy)	\$ 11.37	02/18/2014		M <u>(1)</u>	795	(8)	11/15/2017	Common Stock	79
	\$ 11.37	02/19/2014		$M_{\underline{(1)}}$	560	(9)	11/15/2017		56

(9-02)

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Non-Qualified Stock Option (Right to Buy)							Common Stock	
Non-Qualified Stock Option (Right to Buy)	\$ 15.85	02/19/2014	M <u>(1)</u>	3,333	(10)	03/12/2020	Common Stock	3,

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Crawford Bruce A C/O NANOMETRICS, INC. 1550 BUCKEY DRIVE MILPITAS, CA 95035

Chief Operating Officer

Signatures

/s/ Ronald W. Kisling,
Attorney-in-Fact
02/19/2014

**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) Transaction pursuant to Rule 10b5-1 Plan adopted December 13, 2013.
- Represents weighted average sales price. The shares were sold at prices ranging from \$18.45 to \$18.84. The Reporting Person will provide upon request, to the SEC, the Issuer or any security holder of the Issuer, full information regarding the number of shares sold at each separate price.
- Represents weighted average sales price. The shares were sold at prices ranging from \$18.40 to \$18.70. The Reporting Person will provide upon request, to the SEC, the Issuer or any security holder of the Issuer, full information regarding the number of shares sold at each separate price.
- Represents weighted average sales price. The shares were sold at prices ranging from \$18.28 to \$18.58. The Reporting Person will provide upon request, to the SEC, the Issuer or any security holder of the Issuer, full information regarding the number of shares sold at each separate price.
- One thirty-sixth (1/36th) of the shares shall vest and become exercisable in equal monthly installments starting on the monthly anniversary of the date of grant (February 25, 2009).
- One third (1/3rd) of the shares are fully vested on the date of grant, with the remaining shares vesting (starting on the one year anniversary of the date of grant) at a rate of one twenty-fourth (1/24th) per month until fully vested on September 3, 2012.
- One thirty-sixth (1/36th) of the shares shall vest and become exercisable in equal monthly installments starting on the monthly anniversary of the date of grant (November 17, 2009).
- (8) One forty-eighth (1/48th) of the shares shall vest and become exercisable in equal monthly installments starting on the monthly anniversary of the date of grant (November 16, 2010).
- (9) One forty-eighth (1/48th) of the shares shall vest and become exercisable in equal monthly installments starting on the monthly anniversary of the date of grant (November 16, 2010).
- (10) One forty-eighth (1/48th) of the shares shall vest and become exercisable in equal monthly installments starting on the monthly anniversary of the date of grant (March 12, 2013).

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 3

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