STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

Chou Jonathan Form 4 March 07, 2018

FORM 4

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

OMB APPROVAL OMB

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response... 0.5

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. Name and Address of Reporting Person *

1(b).

Chou Jonathan Issuer Symbol NANOMETRICS INC [NANO] (Check all applicable) (Last) (First) (Middle) 3. Date of Earliest Transaction (Month/Day/Year) 10% Owner Director Other (specify X_ Officer (give title C/O NANOMETRICS 03/05/2018 below) **INCORPORATED, 1550** Chief Financial Officer **BUCKEYE DRIVE** (Street) 4. If Amendment, Date Original

2. Issuer Name and Ticker or Trading

Filed(Month/Day/Year)

(Zin)

6. Individual or Joint/Group Filing(Check Applicable Line)

5. Relationship of Reporting Person(s) to

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

MILPITAS, CA 95035

(State)

(City)

(City)	(State) (2	Table Table	e I - Non-Do	erivative Secu	rities Aco	quired, Disposed (of, or Beneficial	ly Owned
1.Title of	2. Transaction Date	2A. Deemed	3.	4. Securities A	Acquired	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	(D)		Beneficially	(D) or	Beneficial
		(Month/Day/Year)	(Instr. 8)	(Instr. 3, 4 and	15)	Owned	Indirect (I)	Ownership
						Following	(Instr. 4)	(Instr. 4)
				()	`	Reported		
				(A		Transaction(s)		
			Code V	Amount (E		(Instr. 3 and 4)		
Common Stock	03/05/2018		A	$\frac{34,741}{(1)}$ A	\$ 0	34,741	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)

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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. Transactic Code (Instr. 8)	5. Number of orDerivative Securities Acquired (A) or Disposed of (D)	6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Underlying Securities (Instr. 3 and 4)	
				Code V	(Instr. 3, 4, and 5) (A) (D)	Date Exercisable	Expiration Date	Title	Amoun or Numbe of Shar
Performance Stock Units	<u>(2)</u>	03/05/2018		A	11,580	(2)	03/05/2021	Common Stock	11,58

Reporting Owners

Reporting Owner Name / Address	Relationships					
order of the control	Director	10% Owner	Officer Chief	Other		
Chou Jonathan C/O NANOMETRICS INCORPORATED 1550 BUCKEYE DRIVE MIL PITAS, CA 95035			Chief Financial Officer			

Signatures

/s/ Janet Taylor, Attorney-in-Fact 03/07/2018

**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).
- (1) 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.
- 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.

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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