

NANOMETRICS INC  
 Form 3  
 September 21, 2016

**FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION**  
**Washington, D.C. 20549**

OMB APPROVAL

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**INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES**

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 \*

Å Kocher Rollin  
 (Last) (First) (Middle)

C/O NANOMETRICS,  
 INCORPORATED, Å 1550  
 BUCKEYE DRIVE

(Street)

MILPITAS, Å CA Å 95035

(City) (State) (Zip)

2. Date of Event Requiring Statement

(Month/Day/Year)  
 09/13/2016

3. Issuer Name and Ticker or Trading Symbol  
 NANOMETRICS INC [NANO]

4. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

Director  10% Owner  
 Officer  Other  
 (give title below) (specify below)  
 SVP, Commercial Operations

5. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)  
 Form filed by One Reporting Person  
 Form filed by More than One Reporting Person

**Table I - Non-Derivative Securities Beneficially Owned**

1. Title of Security  
 (Instr. 4)

Common Stock

2. Amount of Securities Beneficially Owned  
 (Instr. 4)

23,559 <sup>(1)</sup>

3. Ownership Form:  
 Direct (D)  
 or Indirect (I)  
 (Instr. 5)

D Å

4. Nature of Indirect Beneficial Ownership  
 (Instr. 5)

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

SEC 1473 (7-02)

**Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.**

**Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)**

1. Title of Derivative Security  
 (Instr. 4)

2. Date Exercisable and Expiration Date  
 (Month/Day/Year)

3. Title and Amount of Securities Underlying Derivative Security  
 (Instr. 4)

4. Conversion or Exercise Price of Derivative

5. Ownership Form of Derivative Security:

6. Nature of Indirect Beneficial Ownership  
 (Instr. 5)

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	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	Security	Direct (D) or Indirect (I) (Instr. 5)
Non-Qualified Stock Option (Right to Buy)	Â (2)	05/05/2020	Common Stock	2,500	\$ 0	D Â

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Kocher Rollin C/O NANOMETRICS, INCORPORATED 1550 BUCKEYE DRIVE MILPITAS, CA 95035	Â	Â	Â SVP, Commercial Operations	Â

## Signatures

/s/ Janet Taylor,  
Attorney-in-fact

09/21/2016

\_\_Signature of Reporting Person

Date

## Explanation of Responses:

\* If the form is filed by more than one reporting person, *see* Instruction 5(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).

Includes 17,747 shares issuable pursuant to restricted stock units. Each restricted stock unit represents a contingent right to receive one (1) 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.

(2) Options vest 25% on anniversary of hire date and 1/48th of the total number of shares granted monthly thereafter.

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

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