Crawford Bruce A Form 5 February 12, 2013

FORM 5 **OMB APPROVAL** 

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549 Check this box if

no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction

ANNUAL STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Form 3 Holdings Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

Reported Form 4

1(b).

Transactions Reported

f Reporting Person *	2. Issuer Name and Ticker or Trading Symbol	5. Relationship of Reporting Person(s) to Issuer			
st) (Middle)	3. Statement for Issuer's Fiscal Year Ended	(Check all applicable)  Director 10% Owner			
ICS, INC., 1550	12/29/2012	Officer (give title Other (specify below) below)  Chief Operating Officer			
eet)	4. If Amendment, Date Original Filed(Month/Day/Year)	6. Individual or Joint/Group Reporting  (check applicable line)			
	f Reporting Person *  (Middle)  ICS, INC., 1550  eet)	Symbol NANOMETRICS INC [NANO]  st) (Middle) 3. Statement for Issuer's Fiscal Year Ended (Month/Day/Year) 12/29/2012  ICS, INC., 1550  4. If Amendment, Date Original			

## MILPITAS, CAÂ 95035

(State)

(Zip)

(City)

\_X\_ Form Filed by One Reporting Person Form Filed by More than One Reporting

**OMB** 

Number:

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(City)	(State)	(Zip) Tabl	le I - Non-Der	ivative Se	curiti	es Acquir	ed, 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. Transaction Code (Instr. 8)	4. Securi (A) or D (Instr. 3,	ispose 4 and (A) or	ed of (D)	5. Amount of Securities Beneficially Owned at end of Issuer's Fiscal Year (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
Common Stock	11/17/2010	Â	F4	1,181	D	\$ 11.34	54,252 (1)	D	Â
Common Stock	11/17/2011	Â	F4	1,514	D	\$ 17.34	52,738	D	Â
Common Stock	11/17/2012	Â	F4	1,181	D	\$ 13.77	51,557	D	Â

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

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of

# 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		4.	5.	6. Date Exerc		7. Title		8. Price of	
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transaction	Number	Expiration D	ate	Amoun		Derivative	
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Underly	ing	Security	
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivative	e		Securiti	es	(Instr. 5)	
	Derivative				Securities			(Instr. 3	and 4)		
	Security				Acquired						
	,				(A) or						
					Disposed						
					of (D)						
					(Instr. 3,						
					4, and 5)						
					4, and 3)						
								A	Amount		
						Data	Evaluation	O	r		
						Date	Expiration	Title N	Number		
						Exercisable	Date	O	of		
					(A) (D)			S	hares		

## **Reporting Owners**

Reporting Owner Name / Address	Relationships						
<b>F</b>	Director	10% Owner	Officer	Other			
Crawford Bruce A C/O NANOMETRICS, INC. 1550 BUCKEY DRIVE MILPITAS, CA 95035	Â	Â	Chief Operating Officer	Â			

## **Signatures**

/s/ Ronald Kisling as Attorney-in-Fact for Bruce
Crawford

02/12/2013

\*\*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) Includes 12,732 shares issued pursuant to Nanometrics Incorporated Amended and Restated 2003 Employee Stock Purchase Plan.

Note: File three copies of this Form, one of which must be manually signed. If space provided 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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