ELECTRO SCIENTIFIC INDUSTRIES INC Form SC 13D/A February 26, 2016

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

SCHEDULE 13D (Rule 13d-101)

INFORMATION TO BE INCLUDED IN STATEMENTS FILED PURSUANT TO § 240.13d-1(a) AND AMENDMENTS THERETO FILED PURSUANT TO § 240.13d-2(a)

(Amendment No. 2)1

Electro Scientific Industries, Inc.

(Name of Issuer)

Common Stock, without par value (Title of Class of Securities)

285229100

(CUSIP Number)

ERIC SINGER
VIEX CAPITAL ADVISORS, LLC
(f/k/a Vertex Capital Advisors, LLC)
825 Third Avenue, 33rd Floor
New York, New York 10022

STEVE WOLOSKY, ESQ.
OLSHAN FROME WOLOSKY LLP
Park Avenue Tower
65 East 55th Street
New York, New York 10022
(212) 451-2300

(Name, Address and Telephone Number of Person

Authorized to Receive Notices and Communications)

February 24, 2016 (Date of Event Which Requires Filing of This Statement)

If the filing person has previously filed a statement on Schedule 13G to report the acquisition that is the subject of this Schedule 13D, and is filing this schedule because of §§ 240.13d-1(e), 240.13d-1(f) or 240.13d-1(g), check the following box ".

Note: Schedules filed in paper format shall include a signed original and five copies of the schedule, including all exhibits. See § 240.13d-7 for other parties to whom copies are to be sent.

1	The remainder of this cover mass shall be filled out for a remorting marson's initial filing on this form with
	The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with
respect to	the subject class of securities, and for any subsequent amendment containing information which would alter
disclosure	es provided in a prior cover page.

The information required on the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

CUSIP NO. 285229100

1	NAME OF REPORTING PERSON			
2 3	VIEX Opportunities Fund, LP – Series One* CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (b) o SEC USE ONLY			
4	SOURCE OF FUNDS			
5	WC CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS " IS REQUIRED PURSUANT TO ITEM 2(d) OR 2(e)			
6	CITIZENSHIP OR PLACE OF	ORGANIZATION		
NUMBER OF SHARES	DELAWARE 7	SOLE VOTING POWER		
BENEFICIALLY OWNED BY EACH	8	- 0 - SHARED VOTING POWER		
REPORTING PERSON WITH	9	741,755 SOLE DISPOSITIVE POWER		
	10	- 0 - SHARED DISPOSITIVE POWE	R	
11	AGGREGATE AMOUNT BEN	741,755 IEFICIALLY OWNED BY EACH	REPORTING PERSON	
12	741,755 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) o EXCLUDES CERTAIN SHARES			
13	PERCENT OF CLASS REPRES	SENTED BY AMOUNT IN ROW	(11)	
14	2.4% 14 TYPE OF REPORTING PERSON			
PN				

^{*} This Series One is part of a series of VIEX Opportunities Fund, LP, a Delaware series limited partnership.

2

1	NAME OF REPORTING PERSON				
2	VIEX Special Opportunities Fund II, LP CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (b) o SEC USE ONLY				
4	SOURCE OF F	FUNDS			
5	WC CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS '' IS REQUIRED PURSUANT TO ITEM 2(d) OR 2(e)				
6	CITIZENSHIP	OR PLACE OF O	ORGANIZATION		
NUMBER OF SHARES	DELAWARE	7	SOLE VOTING POWER		
BENEFICIALLY OWNED BY EACH		8	- 0 - SHARED VOTING POWER		
REPORTING PERSON WITH		9	1,626,397 SOLE DISPOSITIVE POWER		
		10	- 0 - SHARED DISPOSITIVE POWE	R	
11	AGGREGATE	AMOUNT BEN	1,626,397 EFICIALLY OWNED BY EACH	REPORTING PERSON	
12	1,626,397 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) o EXCLUDES CERTAIN SHARES				
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)			(11)	
14	5.2% TYPE OF REPORTING PERSON				
	PN				
3					

1	NAME OF REPORTING PERSON			
2 3	·			(a) o (b) o
4 SOURCE OF FUNDS				
5	AF CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS " IS REQUIRED PURSUANT TO ITEM 2(d) OR 2(e)			
6	CITIZENSHIP	OR PLACE OF	ORGANIZATION	
NUMBER OF SHARES	DELAWARE	7	SOLE VOTING POWER	
BENEFICIALLY OWNED BY EACH		8	- 0 - SHARED VOTING POWER	
REPORTING PERSON WITH		9	741,755 SOLE DISPOSITIVE POWER	
		10	- 0 - SHARED DISPOSITIVE POWE	R
11	AGGREGATE	AMOUNT BEN	741,755 EFICIALLY OWNED BY EACH	REPORTING PERSON
741,755 12 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) o EXCLUDES CERTAIN SHARES			o	
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)			
2.4% 14 TYPE OF REPORTING PERSON				
	00			
4				

1	NAME OF REPORTING PERSON			
2	VIEX Special Opportunities GP II, LLC CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP SEC USE ONLY			(a) o (b) o
4	SOURCE OF FUNDS			
5	AF CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEM 2(d) OR 2(e)			
6	CITIZENSHIP	OR PLACE OF O	ORGANIZATION	
NUMBER OF SHARES	DELAWARE	7	SOLE VOTING POWER	
BENEFICIALLY OWNED BY EACH		8	- 0 - SHARED VOTING POWER	
REPORTING PERSON WITH		9	1,626,397 SOLE DISPOSITIVE POWER	
		10	- 0 - SHARED DISPOSITIVE POWE	R
11	AGGREGATE	AMOUNT BEN	1,626,397 EFICIALLY OWNED BY EACH	REPORTING PERSON
1,626,397 12 CHECK BOX IF THE AGGREGA' EXCLUDES CERTAIN SHARES				0
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)			
14	5.2% TYPE OF REPORTING PERSON			
OO				
5				

1 NAME OF REPORTING PERSON					
2	VIEX Capital Advisors, LLC CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (b) o SEC USE ONLY				
4	4 SOURCE OF FUNDS				
5	AF CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS '' IS REQUIRED PURSUANT TO ITEM 2(d) OR 2(e)				
6	CITIZENSHIP	OR PLACE OF O	ORGANIZATION		
NUMBER OF SHARES	DELAWARE	7	SOLE VOTING POWER		
BENEFICIALLY OWNED BY EACH	•	8	- 0 - SHARED VOTING POWER		
REPORTING PERSON WITH		9	2,368,152 SOLE DISPOSITIVE POWER		
		10	- 0 - SHARED DISPOSITIVE POWE	R	
11	AGGREGATE	AMOUNT BEN	2,368,152 EFICIALLY OWNED BY EACH	REPORTING PERSON	
2,368,152 CHECK BOX IF THE AGGRE EXCLUDES CERTAIN SHAR			GATE AMOUNT IN ROW (11) GES	o	
13	PERCENT OF	CLASS REPRES	SENTED BY AMOUNT IN ROW	(11)	
14	7.6% TYPE OF REP	7.6% FYPE OF REPORTING PERSON			
	IA				

1	NAME OF RE	OF REPORTING PERSON			
2	Eric Singer CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (b) o SEC USE ONLY				
4	SOURCE OF I	FUNDS			
7					
5	AF CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS " IS REQUIRED PURSUANT TO ITEM 2(d) OR 2(e)				
6	CITIZENSHIP	OR PLACE OF (ORGANIZATION		
NUMBER OF SHARES	USA	7	SOLE VOTING POWER		
BENEFICIALLY OWNED BY EACH		8	- 0 - SHARED VOTING POWER		
REPORTING PERSON WITH		9	2,368,152 SOLE DISPOSITIVE POWER		
		10	- 0 - SHARED DISPOSITIVE POWE	R	
11	AGGREGATE	AMOUNT BEN	2,368,152 EFICIALLY OWNED BY EACH	REPORTING PERSON	
12	2,368,152 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) o EXCLUDES CERTAIN SHARES				
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)				
14	7.6% TYPE OF REPORTING PERSON				
	IN				
_					

CUSIP NO. 285229100

The following constitutes Amendment No. 2 to the Schedule 13D filed by the undersigned ("Amendment No. 2"). This Amendment No. 2 amends the Schedule 13D as specifically set forth herein.

Item 2. Identity and Background.

Effective December 28, 2015, certain of the Reporting Persons underwent a name change. Accordingly, Items 2(a), (c) and (f) are hereby amended and restated to read as follows:

(a) This statement is filed by:

- (i) VIEX Opportunities Fund, LP Series One ("Series One"), a series of VIEX Opportunities Fund, LP, a Delaware series limited partnership formerly known as Vertex Opportunities Fund, LP, with respect to the Shares directly and beneficially owned by it;1
- (ii) VIEX Special Opportunities II, LP, a Delaware limited partnership formerly known as Vertex Special Opportunities II, LP ("VSO II"), with respect to the Shares directly and beneficially owned by it;
- (iii) VIEX GP, LLC, a Delaware limited liability company formerly known as Vertex GP, LLC ("VIEX GP"), as the general partner of Series One;
- (iv) VIEX Special Opportunities GP II, LLC, a Delaware limited liability company formerly known as Vertex Special Opportunities GP II, LLC ("VSO GP II"), as the general partner of VSO II;
- (v) VIEX Capital Advisors, LLC, a Delaware limited liability company formerly known as Vertex Capital Advisors, LLC ("VIEX Capital"), as the investment manager of each of Series One and VSO II; and
 - (vi) Eric Singer, as managing member of each of VIEX GP, VSO GP II, and VIEX Capital.

Each of the foregoing is referred to as a "Reporting Person" and collectively as the "Reporting Persons." Each of the Reporting Persons is party to that certain Joint Filing Agreement as further described in Item 6. Accordingly, the Reporting Persons are hereby filing a joint Schedule 13D.

- (c) The principal business of Series One is investing in securities. The principal business of VIEX GP is acting as the general partner of Series One. The principal business of VSO II is investing in securities. The principal business of VSO GP II is acting as the general partner of VSO II. VIEX Capital serves as the investment manager to each of Series One and VSO II. The principal occupation of Mr. Singer is serving as the managing member of each of VIEX GP, VSO GP II and VIEX Capital.
- (f) Each of Series One, VIEX GP, VSO II, VSO GP II and VIEX Capital is organized under the laws of the State of Delaware. Mr. Singer is a citizen of the United States of America.

¹ On June 17, 2015, VIEX Opportunities Fund, LP (f/k/a Vertex Opportunities Fund, LP) became a series limited liability company and the Shares previously reported to be owned by it are now deemed to be owned by "VIEX Opportunities Fund, LP – Series One."

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Item 3. Source and Amount of Funds or Other Consideration.

Item 3 is hereby amended and restated to read as follows:

The Shares purchased by each of Series One and VSO II were purchased with working capital (which may, at any given time, include margin loans made by brokerage firms in the ordinary course of business) in open market purchases, except as otherwise noted, as set forth in Schedule A, which is incorporated by reference herein. The aggregate purchase price of the 741,755 Shares beneficially owned by Series One is approximately \$4,036,706, excluding brokerage commissions. The aggregate purchase price of the 1,626,397 Shares beneficially owned by VSO II is approximately \$7,864,369, excluding brokerage commissions.

Item 5. Interest in Securities of the Issuer.

Items 5(a)-(c) are hereby amended and restated to read as follows:

The aggregate percentage of Shares reported owned by each Reporting Person is based upon 31,127,287 Shares outstanding, which is the total number of Shares outstanding as of February 5, 2016 as reported in the Issuer's Quarterly Report on Form 10-Q, filed with the Securities and Exchange Commission on February 9, 2016.

A. Series One

(a) As of the close of business on February 26, 2016, Series One beneficially owned 741,755 Shares.

Percentage: Approximately 2.4%

- (b) 1. Sole power to vote or direct vote: 0
 2. Shared power to vote or direct vote: 741,755
 3. Sole power to dispose or direct the disposition: 0
 - 4. Shared power to dispose or direct the disposition: 741,755
- (c) The transactions in the Shares by Series One during the past sixty days are set forth in Schedule A and are incorporated herein by reference.

B. VSO II

(a) As of the close of business on February 26, 2016, VSO II beneficially owned 1,626,397 Shares.

Percentage: Approximately 5.2%

- (b) 1. Sole power to vote or direct vote: 0
 - 2. Shared power to vote or direct vote: 1,626,397
 - 3. Sole power to dispose or direct the disposition: 0
 - 4. Shared power to dispose or direct the disposition: 1,626,397
- (c) The transactions in the Shares by VSO II during the past sixty days are set forth in Schedule A and are incorporated herein by reference.

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C. VIEX GP

(a) VIEX GP, as the general partner of Series One, may be deemed the beneficial owner of the 741,755 Shares owned by Series One.

Percentage: Approximately 2.4%

- (b) 1. Sole power to vote or direct vote: 0
 - 2. Shared power to vote or direct vote: 741,755
 - 3. Sole power to dispose or direct the disposition: 0
 - 4. Shared power to dispose or direct the disposition: 741,755
- (c) VIEX GP has not entered into any transactions in the Shares during the past sixty days. The transactions in the Shares on behalf of Series One during the past sixty days are set forth in Schedule A and are incorporated herein by reference.

D. VSO GP II

(a) VSO GP II, as the general partner of VSO II, may be deemed the beneficial owner of the 1,626,397 Shares owned by VSO II.

Percentage: Approximately 6.6%

- (b) 1. Sole power to vote or direct vote: 0
 - 2. Shared power to vote or direct vote: 1,626,397
 - 3. Sole power to dispose or direct the disposition: 0
 - 4. Shared power to dispose or direct the disposition: 1,626,397
- (c) VSO GP II has not entered into any transactions in the Shares during the past sixty days. The transactions in the Shares on behalf of VSO II during the past sixty days are set forth in Schedule A and are incorporated herein by reference.

E. VIEX Capital

(a) VIEX Capital, as the investment manager of Series One and VSO II, may be deemed the beneficial owner of the (i) 741,755 Shares owned by Series One and (ii) 1,626,397 Shares owned by VSO II.

Percentage: Approximately 7.6%

- (b) 1. Sole power to vote or direct vote: 0
 - 2. Shared power to vote or direct vote: 2,368,152
 - 3. Sole power to dispose or direct the disposition: 0
- 4. Shared power to dispose or direct the disposition: 2,368,152
- (c) VIEX Capital has not entered into any transactions in the Shares during the past sixty days. The transactions in the Shares on behalf of each of Series One and VSO II during the past sixty days are set forth in Schedule A and are incorporated herein by reference.

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F. Eric Singer

(a)Mr. Singer, as the managing member of VIEX GP, VSO GP II and VIEX Capital, may be deemed the beneficial owner of the (i) 741,755 Shares owned by Series One and (ii) 1,626,397 Shares owned by VSO II.

Percentage: Approximately 7.6%

- (b) 1. Sole power to vote or direct vote: 0
 2. Shared power to vote or direct vote: 2,368,152
 3. Sole power to dispose or direct the disposition: 0
 4. Shared power to dispose or direct the disposition: 2,368,152
- (c) Mr. Singer has not entered into any transactions in the Shares during the past sixty days. The transactions in the Shares on behalf of each of Series One and VSO II during the past sixty days are set forth in Schedule A and are incorporated herein by reference.

The filing of this Amendment No. 2 shall not be construed as an admission that the Reporting Persons are, for purposes of Section 13(d) of the Securities Exchange Act of 1934, as amended, the beneficial owners of any of the Shares reported herein. Each Reporting Person disclaims beneficial ownership of such Shares except to the extent of his or its pecuniary interest therein.

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SIGNATURES

After reasonable inquiry and to the best of his knowledge and belief, the undersigned certifies that the information set forth in this statement is true, complete and correct.

Dated: February 26, 2016

VIEX Opportunities Fund, LP – Series One

By: VIEX GP, LLC

General Partner

By: /s/ Eric Singer

Name: Eric Singer

Title: Managing Member

VIEX GP, LLC

By: /s/ Eric Singer

Name: Eric Singer

Title: Managing Member

VIEX Special Opportunities Fund II, LP

By: VIEX Special Opportunities GP II, LLC

General Partner

By: /s/ Eric Singer

Name: Eric Singer

Title: Managing Member

VIEX Special Opportunities GP II, LLC

By: /s/ Eric Singer

Name: Eric Singer

Title: Managing Member

VIEX Capital Advisors, LLC

By: /s/ Eric Singer

Name: Eric Singer

Title: Managing Member

/s/ Eric Singer

CUSIP NO. 285229100

SCHEDULE A

Transactions in the Shares During the Past Sixty Days

Nature of the Transaction	Securities Purchased/(Sold)	Price Per Share(\$)	Date of Purchase / Sale
	VIEX OPPORTUNITIES F	UND, LP – SERIES ONE	
Sale of Common Stock	(100)	5.6500	01/04/2016
Sale of Common Stock	(1,423)	5.5911	01/25/2016
Sale of Common Stock	(1,000)	5.5515	01/26/2016
Sale of Common Stock	(1,000)	5.7600	01/28/2016
Sale of Common Stock	(7,000)	6.0103	01/29/2016
Sale of Common Stock	(300)	6.0500	02/02/2016
Sale of Common Stock	(17,382)	6.6114	02/03/2016
Sale of Common Stock	(36,733)	6.7586	02/04/2016
Sale of Common Stock	(4,882)	6.7998	02/05/2016
Sale of Common Stock	(3,918)	6.7609	02/08/2016
Sale of Common Stock	(5,260)	6.7605	02/09/2016
Sale of Common Stock	(12,817)	6.8420	02/10/2016
Sale of Common Stock	(14,446)	6.8427	02/11/2016
Sale of Common Stock	(2,136)	6.9000	02/12/2016
Sale of Common Stock	(12,044)	6.9751	02/16/2016
Sale of Common Stock	(3,854)	6.9736	02/17/2016
Sale of Common Stock	(54,755)	7.3612	02/24/2016
Sale of Common Stock	(16,817)	7.1579	02/25/2016
Sale of Common Stock	(44,698)	7.0820	02/26/2016

VIEX SPECIAL OPPORTUNITIES FUND II, LP

Sale of Common Stock	(36,739)	6.6114	02/03/2016
Sale of Common Stock	(19,025)	6.7586	02/04/2016
Sale of Common Stock	(10,318)	6.7998	02/05/2016
Sale of Common Stock	(8,282)	6.7609	02/08/2016
Sale of Common Stock	(11,117)	6.7605	02/09/2016
Sale of Common Stock	(27,090)	6.8420	02/10/2016
Sale of Common Stock	(30,533)	6.8427	02/11/2016
Sale of Common Stock	(4,516)	6.9000	02/12/2016
Sale of Common Stock	(25,456)	6.9751	02/16/2016
Sale of Common Stock	(8,146)	6.9736	02/17/2016
Sale of Common Stock	(115,732)	7.3612	02/24/2016
Sale of Common Stock	(35,545)	7.1579	02/25/2016

Sale of Common Stock (94,474) 7.0820 02/26/2016