

Gomez Alfredo  
Form 3  
January 31, 2011

**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 * ^ Gomez Alfredo (Last) (First) (Middle)		2. Date of Event Requiring Statement (Month/Day/Year) 01/21/2011	3. Issuer Name and Ticker or Trading Symbol EMCORE CORP [EMKR]	
10420 RESEARCH ROAD SE (Street)		4. Relationship of Reporting Person(s) to Issuer  (Check all applicable)  ____ Director    ____ 10% Owner <input checked="" type="checkbox"/> Officer    ____ Other (give title below) (specify below) Gen. Cnsl and Corp Sec.		5. If Amendment, Date Original Filed(Month/Day/Year)
ALBUQUERQUE, NM 87123 (City) (State) (Zip)				6. Individual or Joint/Group Filing(Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person

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

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
Common stock	0	D	^
Common Stock	4,555	I	By Trust 401(k)

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

SEC 1473 (7-02)

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**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)	
Employee Stock Option (right to buy)	09/10/2011	09/10/2017	Common Stock	9,000	\$ 7.76	D <sup>(1)</sup>	Â
Employee Stock Option (right to buy)	05/19/2011	05/19/2018	Common Stock	14,000	\$ 8.38	D <sup>(2)</sup>	Â
Employee Stock Option (right to buy)	07/17/2011	07/17/2019	Common Stock	10,000	\$ 1.14	D <sup>(3)</sup>	Â
Employee Stock Option (right to buy)	07/27/2011	07/27/2019	Common Stock	20,000	\$ 1.25	D <sup>(4)</sup>	Â

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Gomez Alfredo 10420 RESEARCH ROAD SE ALBUQUERQUE, NM 87123	Â	Â	Â Gen. Cnsl and Corp Sec.	Â

## Signatures

/s/ Alfredo Gomez 01/28/2011

\_\_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).
- (1) Of the 9,000 outstanding options, 5,400 options are fully vested and exercisable, and the remaining 3,600 options are scheduled to vest in two equal annual installments on 9/10/2011 and 9/10/2012.
- (2) Of the 14,000 outstanding options, 7,000 options are fully vested and exercisable, and the remaining 7,000 options are scheduled to vest in two equal annual installments on 05/19/2011 and 5/19/2012.
- (3) Of the 10,000 outstanding options, 2,500 options are fully vested and exercisable, and the remaining 7,500 options are scheduled to vest in three equal annual installments 07/17/2011, 07/17/2012 and 07/17/2013.
- (4) Of the 20,000 outstanding options, 5,000 options are fully vested and exercisable, and the remaining 15,000 options are scheduled to vest in three equal annual installments on 07/27/2011, 07/27/2012 and 07/27/2013.

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### Remarks:

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

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, file additional copies.  
 Persons who respond to the collection of information contained in this form are not required to provide it.

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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