

Larocca Christopher M
 Form 4
 August 24, 2012

FORM 4

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

OMB APPROVAL

OMB Number: 3235-0287
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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

STATEMENT OF CHANGES IN 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 *
 Larocca Christopher M

2. Issuer Name and Ticker or Trading Symbol
 EMCORE CORP [EMKR]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)

3. Date of Earliest Transaction (Month/Day/Year)
 08/22/2012

____ Director _____ 10% Owner
 ____ Officer (give title below) ____ Other (specify below)

10420 RESEARCH ROAD SE

Chief Operating Officer

(Street)

4. 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

ALBUQUERQUE, NM 87123

(City) (State) (Zip)

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially 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. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price
Common Stock	08/22/2012		M		4,167	A	(1) 18,047 (2)
Common Stock	08/23/2012		S(3)		1,582	D	\$ 4.9718 (4) 16,465 (2)
Common Stock							6,267 (5) I By 401(k) Plan

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

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(6) 4,167 restricted stock units vesting on August 22, 2012

Remaining unvested restricted stock units vest in two equal annual installments commencing on August 22, 2013. Not later than 30 days

(7) after vesting occurs, vested shares of Emcore common stock, an amount in cash equal to their fair market value or a combination of both will be delivered to the reporting person.

(8) The restricted stock units were awarded to the reporting person for no cash or other similar consideration.

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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