

STALL RICHARD A  
Form 4  
December 15, 2005

**FORM 4**

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

OMB APPROVAL

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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 \*  
STALL RICHARD A

(Last) (First) (Middle)

C/O EMCORE CORPORATION, 145 BELMONT DRIVE

(Street)

SOMERSET, NJ 08873

(City) (State) (Zip)

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

3. Date of Earliest Transaction  
(Month/Day/Year)  
12/14/2005

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

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

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

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 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 Beneficial Ownership (Instr. 4)	
			Code	V	Amount	(D)	Price	
EMCORE Corporation Common Stock	12/14/2005		M		900	A	\$ 5.1 100,632	D
EMCORE Corporation Common Stock	12/14/2005		S		900	D	\$ 6.7 99,732	D
EMCORE Corporation Common	12/15/2005		M		2,000	A	\$ 5.1 101,732	D

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Stock

EMCORE  
Corporation  
Common  
Stock

12/15/2005

S 2,000 D \$ 6.49 99,732 <sup>(1)</sup> D

EMCORE  
Corporation  
Common  
Stock

8,426 I

By 401(k)  
Plan

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

**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.**

SEC 1474  
(9-02)

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

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)	8. Amount or Number of Shares
Employee Stock Option (right to buy)	\$ 5.1	12/14/2005		M	900	<sup>(2)</sup> 11/22/2006	Common Stock	900
Employee Stock Option (right to buy)	\$ 5.1	12/15/2005		M	2,000	<sup>(2)</sup> 11/22/2006	Common Stock	2,000

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other

STALL RICHARD A  
C/O EMCORE CORPORATION  
145 BELMONT DRIVE  
SOMERSET, NJ 08873

X

CTO

## Signatures

/s/ Richard A.  
Stall

12/15/2005

\_\_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 394 shares purchased under the Employee Stock Purchase Plan

(2) The option vested in five equal annual installments beginning on November 22, 1997

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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