

EMCORE CORP  
Form 4  
August 16, 2006

**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 \*  
**WERTHAN THOMAS G**

(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)  
**08/14/2006**

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)  
**Chief Financial Officer**

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 Ownership (Instr. 4)
			Code	V	Amount or Price		
Common Stock	08/14/2006		M		12,500 A \$ 5.1	28,766	D
Common Stock	08/14/2006		S		1,100 (1) D \$ 6.62	27,666	D
Common Stock	08/14/2006		S		2,000 (1) D \$ 6.61	25,666	D
Common Stock	08/14/2006		S		9,400 (1) D \$ 6.6	16,266	D

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

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**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)	Amount or Number of Shares
Employee Stock Option (right to buy)	\$ 5.1	08/14/2006		M	12,500	(2) 11/22/2006	Common Stock	12,500

## Reporting Owners

Reporting Owner Name / Address	Relationships
WERTHAN THOMAS G C/O EMCORE CORPORATION 145 BELMONT DRIVE SOMERSET, NJ 08873	Director 10% Owner Officer Chief Financial Officer

## Signatures

/s/ Thomas G. Werthan 08/16/2006  
 \*\*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) The sale was made pursuant to a pre-existing 10b5-1 Plan.
- (2) The option vested in five equal annual installments beginning on November 22, 1997.
- (3) Stock Option grant

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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