

U.S. SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, DC 20549

FORM 3

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(f) of the Investment Company Act of 1940

1. Name and Address of Reporting Person*

Last, First, Middle: Brennan, Thomas M.

Street: c/o MicroOptical Devices, Inc.

City, State, Zip: 5601-C Midway Park Pl., NE

2. Date of Event Requiring Statement (Month/Day/Year): 12/5/97

3. IRS or Social Security Number of Reporting Person (Voluntary)

4. Issuer Name and Ticker or Trading Symbol: EMCORE Corporation (EMKR)

5. Relationship of Reporting Person(s) to Issuer (Check all applicable)

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

Vice President

If Amendment, Date of Original (Month/Day/Year)

7. Individual or Joint/Group Filing (Check Applicable Line)

(x) Form filed by One Reporting Person
() Form filed by More than One Reporting Person

* If the form is filed by more than one reporting person, see Instruction
5(b)(v).

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)
(1) Common Stock (2)	225,987	D

Table I -- Continued

1. Title of Security
(Instr. 4)

4. Nature of Indirect Beneficial Ownership
(Instr. 5)

(1) Common Stock
(2)

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

Table II -- Derivative Securities Beneficially Owned
(e.g., puts, calls, warrants, options, convertible securities)

(Original puts, calls, warrants, options, convertible securities, and other 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)	
		Date Exercisable	Expiration Date	Title	Amount or Number of Shares
(1)	Incentive Common Stock Options (right to buy)	Immed.	7/01/06	Common Stock	23,263
(2)	Incentive Common Stock Options (right to buy)	(1)	7/01/06	Common Stock	16,616
(3)	Incentive Common Stock Options (right to buy)	Immed.	12/01/06	Common Stock	849
(4)	Incentive Common Stock Options (right to buy)	(2)	12/01/06	Common Stock	923
(5)					

Table II -- Continued

1. Title of Derivative Security (Instr. 4)	4. Conversion or Exercise Price of Derivative Security	5. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 5)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
(1) Incentive Common Stock Options (right to buy)	\$0.45	D	
(2) Incentive Common Stock Options (right to buy)	\$0.45	D	
(3) Incentive Common Stock Options (right to buy)	\$0.58	D	
(4) Incentive Common Stock Options (right to buy)	\$0.58	D	
(5)			

Explanation of Responses:

- (1) These options vest in equal monthly installments through July 1999.
(2) These options vest in equal monthly installments through December 1999.

/s/Thomas G. Werthan
Attorney-in-fact

February 6, 1998

**Signature of Reporting Person

Date

** 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 provided is insufficient, see Instruction 6 for procedure.

Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.