

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: Fabiano, Paul T.

Street: c/o EMCORE Corporation, 394 Elizabeth Avenue

City, State, Zip: Somerset, New Jersey 08873

2. Date of Event Requiring Statement (Month/Day/Year): 3/6/97

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-Engineering

6. 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)	Direct (D)
(1) Common Stock	39,250		D

TABLE I -- CONTINUED

1. Title of Security (Instr. 4)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
(1) Common Stock	

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

