
OMB APPROVAL

OMB Number 3235-0287
Expires: December 31, 2001
Estimated average burden
hours per response 0.5

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

FORM 4

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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

[X] Check this box if no longer subject to Section 16. Form 4 or Form 5
obligations may continue. See Instruction 1(b).

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1. Name and Address of Reporting Person*

Brennan, Thomas M.

(Last) (First) (Middle)

EMCORE Corporation - 10120 Research Rd. S.E.

(Street)

Albuquerque, New Mexico 87123

(City) (State) (Zip)

EMCORE Corporation (EMKR)

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2. Issuer Name and Ticker or Trading Symbol

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3. IRS Identification Number of Reporting Person (if an entity) (voluntary)

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4. Statement for Month/Year

January 2001

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5. If Amendment, Date of Original (Month/Year)

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

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

Vice President

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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 4(b)(v).

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Table I -- Non-Derivative Securities Acquired, Disposed of,
or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (mm/dd/yy)	3. Transaction Code (Instr. 8) ----- Code V	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) ----- Amount or Price (A) or (D)

(1)

Table I (cont.) -- Non-Derivative Securities Acquired, Disposed of,
or Beneficially Owned

1. Title of Security (Instr. 3)	5. Amount of Securities Beneficially Owned at End of Month (Instr. 3 and 4)	6. Owner- ship Form: Direct (D) or Indirect (I) (Instr.4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
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(1)

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

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

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Table II (cont.) -- Derivative Securities Acquired, Disposed of, or Beneficially
Owned (e.g., puts, calls, warrants, options, convertible securities)
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1. Title of Derivative Security (Instr. 3)	7. Title and Amount of Underlying Securities (Instr. 3 and 4) -----	Amount or Number of Shares	8. Price of Derivative Security (Instr. 5)	9. Number of Derivative Securities Beneficially Owned at End of Month (Instr.4)	10. Ownership Form of Derivative Securities Beneficially Owned at End of Month (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
	Title					

(1)

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Explanation of Responses:

/s/ Thomas M. Brennan	July 7, 2001
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**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).

SEC 1472 Note: File three copies of this Form, one of which must be manually (3-99) signed. If space is insufficient, see Instruction 6 for procedures.

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.