

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

SCHEDULE 13G

UNDER THE SECURITIES EXCHANGE ACT OF 1934

HAEMONETICS CORPORATION

(NAME OF ISSUER)

COMMON STOCK
(TITLE OF CLASS OF SECURITIES)

405024-10-0

(CUSIP NUMBER)

December 31, 2001

(DATE OF EVENT WHICH REQUIRES FILING OF THIS STATEMENT)

Check the appropriate box to designate the rule pursuant to which this
Schedule is filed:

- Rule 13d-1 (b)
 Rule 13d-1 (c)
 Rule 13d-1 (d)

CUSIP NO. 405024-10-0

13G

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1. NAME OF REPORTING PERSON, I.R.S. IDENTIFICATION NO. OF ABOVE PERSON
(ENTITIES ONLY):

James L. Peterson

2. CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP*: (a)
(b)

3. SEC USE ONLY

4. CITIZENSHIP OR PLACE OF ORGANIZATION:
U.S.A.

NUMBER OF SHARES	5. SOLE VOTING POWER:	1,416,927
BENEFICIALLY OWNED	6. SHARED VOTING POWER:	0
BY EACH REPORTING PERSON	7. SOLE DISPOSITIVE POWER:	1,416,927
WITH	8. SHARED DISPOSITIVE POWER:	0

9. AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON: 1,416,927

10. CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES:

11. PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9): 5.2%

12. TYPE OF REPORTING PERSON: IN

SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

SCHEDULE 13G

Under the Securities Exchange Act of 1934

HAEMONETICS CORPORATION

(Name of Company)

- ITEM 1(a). NAME OF ISSUER: Haemonetics Corporation
- ITEM 1(b). ADDRESS OF ISSUER'S PRINCIPAL EXECUTIVE OFFICES:
400 Wood Road
Braintree, MA 02184
- ITEM 2(a). NAME OF PERSON FILING: James L. Peterson
- ITEM 2(b). ADDRESS OF PRINCIPAL BUSINESS OFFICE:
Same as above
- ITEM 2(c). CITIZENSHIP OR PLACE OF ORGANIZATION
US
- ITEM 2(d). TITLE OF CLASS OF SECURITIES:
Common Stock
- ITEM 2(e). CUSIP NUMBER: 405024-10-0

- ITEM (3) IF THIS STATEMENT IS FILED PURSUANT TO RULE 13d-1(b), OR 13d-2(b) OR (c), CHECK WHETHER THE PERSON FILING IS A: NOT APPLICABLE
- (a) Broker or Dealer registered under Section 15 of the Securities Exchange Act of 1934 (the "Act")
 - (b) Bank as defined in Section 3(a)(6) of the Act
 - (c) Insurance Company as defined in Section 3(a)(19) of the Act
 - (d) Investment Company registered under Section 8 of the Investment Company Act of 1940.
 - (e) An investment adviser in accordance with Rule 13d-1(b)(1)(ii)(E);
 - (f) An employee benefit plan or endowment fund in accordance with Rule 13d-1(b)(1)(ii)(F);
 - (g) A parent holding company or control person in accordance with Rule 13d-1(b)(1)(ii)(G);
 - (h) A savings association as defined in Section 3(b) of the Federal Deposit Insurance Act;
 - (i) A church plan that is excluded from the definition of an investment company under Section 3(c)(14) of the Investment Company Act;
 - (j) A Group, in accordance with Rule 13d-1(b)(1)(ii)(J).

If this statement is filed pursuant to Rule 13d-1(c), check this box.

ITEM 4. OWNERSHIP

- (A) AMOUNT BENEFICIALLY OWNED: 1,416,927
- (B) PERCENT OF CLASS: 5.2%
- (C) NUMBER OF SHARES AS TO WHICH SUCH PERSON HAS:
 - (i) SOLE POWER TO VOTE OR DIRECT THE VOTE: 1,416,927
 - (ii) SHARED POWER TO VOTE OR DIRECT THE VOTE: 0
 - (iii) SOLE POWER TO DISPOSE OR DIRECT THE DISPOSITION OF: 1,416,927
 - (iv) SHARED POWER TO DISPOSE OR DIRECT THE DISPOSITION OF: 0

ITEM 5. OWNERSHIP OF FIVE PERCENT OR LESS OF A CLASS. NOT APPLICABLE

ITEM 6. OWNERSHIP OF FIVE PERCENT ON BEHALF OF ANOTHER PERSON. NOT APPLICABLE

ITEM 7. IDENTIFICATION AND CLASSIFICATION OF THE SUBSIDIARY WHICH ACQUIRED THE SECURITY BEING REPORTED ON BY THE PARENT HOLDING COMPANY. NOT APPLICABLE

ITEM 8. IDENTIFICATION AND CLASSIFICATION OF MEMBERS OF THE GROUP. NOT APPLICABLE

ITEM 9. NOTICE OF DISSOLUTION OF GROUP. NOT APPLICABLE

ITEM 10. CERTIFICATION. NOT APPLICABLE

SIGNATURE

After reasonable inquiry and to the best of his knowledge and belief, the undersigned certifies that the information set forth in this statement is true, complete and correct.

Dated: May , 2003

/s/ James L. Peterson

James L. Peterson

