

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

-----  
SCHEDULE 13G  
-----

UNDER THE SECURITIES EXCHANGE ACT OF 1934

(Amendment No. 1)

HAEMONETICS CORPORATION  
-----

(NAME OF ISSUER)

COMMON STOCK  
(TITLE OF CLASS OF SECURITIES)

405024-10-0  
-----

(CUSIP NUMBER)

December 31, 2000  
-----

(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

Page 2 of 4 pages

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  
BENEFICIALLY OWNED  
BY EACH REPORTING PERSON  
WITH

5. SOLE VOTING POWER: 1,261,532  
6. SHARED VOTING POWER: 0  
7. SOLE DISPOSITIVE POWER: 1,261,532  
8. SHARED DISPOSITIVE POWER: 0

9. AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON: 1,261,532

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

11. PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9): 4.88%

12. TYPE OF REPORTING PERSON: IN

CUSIP NO. 405024-10-0

13G

Page 3 of 4 pages

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.

CUSIP NO. 405024-10-0  
-----

13G

Page 4 of 4 pages

## ITEM 4. OWNERSHIP

- (A) AMOUNT BENEFICIALLY OWNED: 1,261,532
- (B) PERCENT OF CLASS: 4.88%
- (C) NUMBER OF SHARES AS TO WHICH SUCH PERSON HAS:
- (i) SOLE POWER TO VOTE OR DIRECT THE VOTE: 1,261,532
  - (ii) SHARED POWER TO VOTE OR DIRECT THE VOTE: 0
  - (iii) SOLE POWER TO DISPOSE OR DIRECT THE DISPOSITION OF: 1,261,532
  - (iv) SHARED POWER TO DISPOSE OR DIRECT THE DISPOSITION OF: 0

## ITEM 5. OWNERSHIP OF FIVE PERCENT OR LESS OF A CLASS.

If this statement is being filed to report the fact that as of December 31, 2000, the reporting person has ceased to be the beneficial owner of more than 5% of the class of securities, check the following [X].

## 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

