

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

| OMB APPROVAL | |
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|---|---------|----------|--|--|--|--|--|--|
| 1. Name and Address of Reporting Person* GRANADILLO PEDRO P | | | 2. Issuer Name and Ticker or Trading Symbol HAEMONETICS CORP [HAE] | | | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director 10% Owner Officer (give title below) Other (specify below) | | |
| (Last) | (First) | (Middle) | 3. Date of Earliest Transaction (Month/Day/Year) 07/30/2009 | | | 6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person Form filed by More than One Reporting Person | | |
| 400 WOOD ROAD | | | 4. If Amendment, Date of Original Filed (Month/Day/Year) | | | | | |
| (Street) BRAINTREE MA 02184 | | | | | | | | |
| (City) | (State) | (Zip) | | | | | | |

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

| 1. Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date, if any (Month/Day/Year) | 3. Transaction Code (Instr. 8) | | 4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5) | | | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Indirect Beneficial Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|------------|--------|---|--|---|
| | | | Code | V | Amount | (A) or (D) | Price | | | |
| Common Stock | 07/30/2009 | | A | | 367 ⁽¹⁾ | A | \$0.01 | 10,308 ⁽²⁾ | D | |

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

| 1. Title of Derivative Security (Instr. 3) | 2. Conversion or Exercise Price of Derivative Security | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if any (Month/Day/Year) | 4. Transaction Code (Instr. 8) | | 5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) | | 6. Date Exercisable and Expiration Date (Month/Day/Year) | | 7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4) | 8. Price of Derivative Security (Instr. 5) | 9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4) | 10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 11. Nature of Indirect Beneficial Ownership (Instr. 4) | |
|--|--|--------------------------------------|--|--------------------------------|---|--|-----|--|-----------------|---|--|--|---|--|-------|
| | | | | Code | V | (A) | (D) | Date Exercisable | Expiration Date | | | | | | Title |
| Non-Qualified Stock Option (right to buy) | \$59.44 | 07/30/2009 | | A | | 5,879 | | 07/30/2010 ⁽³⁾ | 07/30/2016 | Common Stock | 5,879 | \$0 | 5,879 | D | |
| Non-Qualified Stock Option (right to buy) | \$29.895 | | | | | | | (4) | 08/18/2014 | Common Stock | 20,000 | | 20,000 | D | |
| Non-Qualified Stock Option (right to buy) | \$44.74 | | | | | | | 09/02/2005 ⁽⁵⁾ | 09/02/2015 | Common Stock | 6,000 | | 6,000 | D | |
| Non-Qualified Stock Option (right to buy) | \$49.92 | | | | | | | 08/01/2008 ⁽³⁾ | 08/01/2014 | Common Stock | 4,592 | | 4,592 | D | |
| Non-Qualified Stock Option (right to buy) | \$52.76 | | | | | | | 05/05/2006 ⁽⁵⁾ | 05/05/2013 | Common Stock | 6,000 | | 6,000 | D | |
| Non-Qualified Stock Option (right to buy) | \$58.46 | | | | | | | 07/31/2009 ⁽³⁾ | 07/31/2018 | Common Stock | 5,664 | | 5,664 | D | |

Explanation of Responses:

- Restricted Stock Unit Grant which vest 100% on the first anniversary of the grant date. Grant was made under 2005 Long Term Incentive Compensation Plan.
- Total includes Restricted Stock Awards and/or Restricted Stock Units that are subject to restrictions until vesting requirements are met. Grant was made under 2005 Long Term Incentive Compensation Plan.
- Grant to reporting person of right to buy shares of common stock exercisable 100 percent on the first anniversary of the date of grant.
- Grant to reporting person of right to buy shares of common stock exercisable in annual increments of 25 percent beginning on the first anniversary of the date of grant.
- Grant to reporting person of right to buy shares of common stock exercisable immediately.

By: Susan M Hanlon For:
Pedro P. Granadillo

08/03/2009

** Signature of Reporting Person

Date

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

* If the form is filed by more than one reporting person, see Instruction 4 (b)(v).

** 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 is insufficient, see Instruction 6 for procedure.

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