

HARRISON DONALD C  
 Form 4  
 June 22, 2006

**FORM 4**

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

OMB APPROVAL

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

**STATEMENT OF CHANGES IN 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(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person \*  
**HARRISON DONALD C**

(Last) (First) (Middle)

525 UNIVERSITY AVENUE,  
 SUITE 1400

(Street)

PALO ALTO, CA 94301

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol  
**AtriCure, Inc. [ATRC]**

3. Date of Earliest Transaction  
 (Month/Day/Year)  
**06/21/2006**

4. If Amendment, Date Original Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

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

6. Individual or Joint/Group Filing(Check Applicable Line)  
 Form filed by One Reporting Person  
 Form filed by More than One Reporting Person

**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 Beneficial Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|--|
|                                 |                                      |  |                                | (A) or (D)  | Code V Amount (D) Price   |  |  |

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

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SEC 1474 (9-02)

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

| 1. Title of Derivative Security | 2. Conversion or Exercise | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if any | 4. Transaction Code | 5. Number of Derivative Securities | 6. Date Exercisable and Expiration Date (Month/Day/Year) | 7. Title and Amount of Underlying Securities (Instr. 3 and 4) |
|---------------------------------|---------------------------|--------------------------------------|-----------------------------------|---------------------|------------------------------------|--|---|
|---------------------------------|---------------------------|--------------------------------------|-----------------------------------|---------------------|------------------------------------|--|---|

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| (Instr. 3)                  | Price of Derivative Security | (Month/Day/Year) | (Instr. 8) | Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) | Code | V | (A)    | (D) | Date Exercisable          | Expiration Date | Title        | Amount or Number of Shares |
|-----------------------------|------------------------------|------------------|------------|--|------|---|--------|-----|---------------------------|-----------------|--------------|----------------------------|
| Stock Option (Right to Buy) | \$ 7.99                      | 06/21/2006       |            |  | A    |   | 10,000 |     | 06/21/2007 <sup>(1)</sup> | 06/21/2016      | Common Stock | 10,000                     |

## Reporting Owners

**Reporting Owner Name / Address**

**Relationships**

Director    10% Owner    Officer    Other

HARRISON DONALD C  
 525 UNIVERSITY AVENUE, SUITE 1400    X  
 PALO ALTO, CA 94301

## Signatures

/s/ Thomas J. Etergino as Attorney-in-Fact for Donald C. Harrison

06/22/2006

\_\_Signature of Reporting Person

Date

## Explanation of Responses:

\* 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).

Exercisable cumulatively at a rate of 33.33% per annum commencing on the earlier of (i) the anniversary of the date of grant (June 21)

(1) and (ii) the date on which the Company's annual meeting of stockholders is held that year, provided Dr. Harrison is a director immediately prior to such annual meeting.

(2) Not applicable.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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