
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D.C. 20549

FORM 8-K

CURRENT REPORT

**PURSUANT TO SECTION 13 OR 15(d) OF THE
SECURITIES EXCHANGE ACT OF 1934**

Date of Report (Date of earliest event reported): May 19, 2010

AtriCure, Inc.

(Exact name of registrant as specified in charter)

Delaware
(State or other jurisdiction
of incorporation)

000-51470
(Commission
File Number)

34-1940305
(IRS Employer
Identification No.)

6217 Centre Park Drive
West Chester, OH
(Address of principal executive offices)

45069
(Zip Code)

Registrant's telephone number, including area code: (513) 755-4100

Not Applicable

(Former name or former address, if changed since last report)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions (see General Instruction A.2. below):

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
 - Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
 - Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
 - Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))
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Item 5.07 Submission of Matters to a Vote of Security Holders.

The stockholders of the Company voted on two items at the Annual Meeting of Stockholders held on May 19, 2010:

1. The election of eight directors to terms ending in 2011; and
2. A proposal to ratify the appointment of Deloitte & Touche LLP as the Company's independent registered public accounting firm for the year ending December 31, 2010.

The nominees for director were elected based upon the following votes:

<u>Director Nominees</u>	<u>Votes For</u>	<u>Votes Withheld</u>
Mark A. Collar	11,263,830	140,458
David J. Drachman	11,236,649	167,639
Donald C. Harrison, M.D.	11,261,475	142,813
Michael D. Hooven	11,186,894	217,394
Richard M. Johnston	11,154,998	249,290
Elizabeth D. Krell, Ph.D.	11,265,030	139,258
Mark R. Lanning, C.P.A.	11,155,048	249,240
Karen P. Robards	11,154,898	249,390

The proposal to ratify the appointment of Deloitte & Touche LLP as the Company's independent registered public accounting firm for the year ending December 31, 2010 received the following votes:

For:	14,258,809
Against:	21,303
Abstain:	0

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned thereunto duly authorized.

ATRICURE, INC.

Date: May 21, 2010

By: /s/ Julie A. Piton

Julie A. Piton

Vice President, Finance and Administration and Chief Financial Officer