
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

POST-EFFECTIVE AMENDMENT NO. 1 TO
FORM S-3
REGISTRATION STATEMENT
UNDER
THE SECURITIES ACT OF 1933

ATRICURE, INC.
(Exact name of Registrant as Specified in its Charter)

Delaware
(State Or Other Jurisdiction Of
Incorporation Or Organization)

7555 Innovation Way
Mason, Ohio 45040
(513) 755-4100
(Address, including zip code, and telephone number, including area
code, of registrant's principal executive offices)

34-1940305
(IRS Employer Identification
Number)

F. Mark Reuter, Esq.
Keating Muething & Klekamp PLL
One East Fourth Street, Suite 1400
Cincinnati, Ohio 45202
Telephone: (513) 579-6469
Facsimile: (513) 579-6457
(Name, Address and Telephone Number of Agent for Service)

DEREGISTRATION OF SECURITIES

This Post-Effective Amendment relates to the Registration Statement on Form S-3 (Registration No. 333-193370) filed on January 15, 2014, pertaining to Debt Securities, Preferred Stock, Common Stock, Depositary Shares, Warrants, and Units of AtriCure, Inc.

The undersigned Registrant hereby removes and withdraws from registration all securities registered pursuant to this Registration Statement which remain unissued and unsold.

SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, as amended, and Rule 478 thereunder, the Registrant has duly caused this Post-Effective Amendment to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of Mason, Ohio, as of the 10th day of November, 2015.

ATRICURE, INC.

By: /s/ M. Andrew Wade
M. Andrew Wade,
Senior Vice President and
Chief Financial Officer