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): October 27, 2016

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.)

7555 Innovation Way Mason, OH (Address of principal executive offices)

45040 (Zip Code)

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

Not Applicable

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

ck the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant er 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))

Item 2.02. Results of Operations and Financial Condition.

On October 27, 2016, AtriCure, Inc. issued a press release regarding its financial results for the third quarter ended September 30, 2016. The Company will hold a conference call on October 27, 2016 at 4:30 p.m. Eastern Time to discuss the financial results. A copy of the press release is furnished as Exhibit 99.1 to this Form 8-K and is incorporated herein by reference.

The information in this Item 2.02 of Form 8-K and in the press release attached as Exhibit 99.1 is being furnished and shall not be deemed "filed" for purposes of Section 18 of the Securities Exchange Act of 1934, as amended (the Exchange Act), or otherwise subject to the liabilities of that Section. The information in Item 2.02 of this Form 8-K and Exhibit 99.1 shall not be incorporated by reference in any filing or other document under the Securities Act of 1933, as amended, or the Exchange Act, except as expressly set forth by specific reference in any such filing or document.

Item 9.01 Financial Statements and Exhibits.

(d) Exhibits

No. Description

99.1 Press Release dated October 27, 2016 relating to financial results for the second quarter ended September 30, 2016

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 hereunto duly authorized.

ATRICURE, INC.

Dated: October 27, 2016 By: /s/ M. Andrew Wade

M. Andrew Wade

Senior Vice President and Chief Financial Officer



Contact:

AtriCure, Inc.

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Investor Relations Contact

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AtriCure Reports Third Quarter 2016 Financial Results

- · Revenue of \$38.3 million up 22.0%
- · U.S. sales of \$30.6 million up 24.0%
- · International sales of \$7.8 million up 14.9%

MASON, Ohio – October 27, 2016 – AtriCure, Inc. (Nasdaq: ATRC), a leading innovator in treatments for atrial fibrillation (Afib) and left atrial appendage (LAA) management, today announced third quarter 2016 financial results.

"We are pleased to report solid third quarter results led by sales in the U.S. and driven by all areas of our business," said Mike Carrel, President and Chief Executive Officer of AtriCure. "Our focus on improving patient outcomes continues to guide our clinical and commercial efforts, and we are well-positioned to reach EBITDA profitability in 2018 and for sustainable success."

Third Quarter 2016 Financial Results

Revenue for the third quarter of 2016 was \$38.3 million, an increase of \$6.9 million or 22.0% (22.0% on a constant currency basis), compared to third quarter 2015 revenue. U.S. revenue increased 24.0% to \$30.6 million, driven by strong sales of ablation-related open-heart products, ablation-related minimally invasive products, and AtriClip® products. International revenue was \$7.8 million, an increase of \$1.0 million or 14.9% (14.7% on a constant currency basis). International revenue growth was driven primarily by increases in product sales in Japan, Italy, Russia and France.

Gross profit for the third quarter of 2016 was \$27.5 million compared to \$22.5 million for the third quarter of 2015. Gross margin for the third quarter of 2016 increased to 71.7%, compared to 71.5% in the third quarter of 2015.

Operating expenses for the third quarter of 2016 increased 18.0%, or \$5.2 million, compared to the third quarter of 2015. The increase in operating expenses was driven primarily by an increase in selling, clinical, product development, marketing and training expenses, with most of these areas impacted by the changes in our operating structure to support our acquisition of nContact in late 2015.

Loss from operations for the third quarter of 2016 was \$6.3 million, compared to \$6.1 million for the third quarter of 2015. Net loss per share was \$0.21 for the third quarter of 2016 and \$0.22 for the third quarter of 2015. Adjusted EBITDA, a non-GAAP measure, was a loss of \$1.0 million for the third quarter of 2016, compared to a \$2.2 million loss for the third quarter of 2015.

2016 Financial Guidance

Management projects 2016 revenue growth of approximately 20% to 22% over full year 2015 revenue, which is a range of approximately \$156 million to \$158 million.

Adjusted EBITDA, a non-GAAP measure, is projected to be a loss in the range of \$12 to \$14 million for 2016 as the Company continues to make strategic investments to drive the long-term growth plan, including several clinical trials, modest expansion of the U.S. field sales team, and ongoing product development efforts. This adjusted EBITDA range translates into an EPS loss of between \$1.10 and \$1.16. Significant improvements in the adjusted EBITDA loss are expected for 2017, turning to a positive adjusted EBITDA for 2018.

Conference Call

AtriCure will host a conference call at 4:30 p.m. Eastern Time on Thursday, October 27, 2016 to discuss its third quarter 2016 financial results. The call may be accessed through an operator by calling (844) 884-9951 for domestic callers and (661) 378-9661 for international callers using conference ID number 91346855. A live webcast of the conference call will be available online on the Investors page of AtriCure's corporate website at www.atricure.com. A replay of the webcast will be available for 90 days following the call.

About AtriCure, Inc.

AtriCure, Inc. provides innovative technologies for the treatment of Afib and related conditions. Afib affects more than 33 million people worldwide. Electrophysiologists and cardiothoracic surgeons around the globe use AtriCure technologies for the treatment of Afib and reduction of Afib related complications. AtriCure's Isolator® SynergyTM Ablation System is the first and only medical device to receive FDA approval for the treatment of persistent Afib. AtriCure's AtriClip Left Atrial Appendage Exclusion System products are the most widely sold LAA management devices worldwide, with more than 75,000 implanted to date. For more information, visit AtriCure.com or follow us on Twitter @AtriCure.

Forward-Looking Statements

This press release contains "forward-looking statements"—that is, statements related to future events that by their nature address matters that are uncertain. For details on the uncertainties that may cause our actual results to be materially different than those expressed in our forward-looking statements, visit http://www.atricure.com/fls as well as our Annual Reports on Form 10-K and Quarterly Reports on Form 10-Q which contain risk factors. We do not undertake to update our forward-looking statements. This document also includes forward-looking projected financial information that is based on current estimates and forecasts. Actual results could differ materially.

Use of Non-GAAP Financial Measures

To supplement AtriCure's condensed consolidated financial statements prepared in accordance with accounting principles generally accepted in the United States of America, or GAAP, AtriCure uses certain non-GAAP financial measures in this release as supplemental financial metrics. Non-GAAP financial measures provide an indication of performance excluding certain items. Management believes that in order to properly understand short-term and long-term financial trends, investors may wish to consider the impact of these excluded items in addition to GAAP measures. The excluded items vary in frequency and/or impact on our continuing operations and management believes that the excluded items are typically not reflective of our ongoing core business operations. Further, management uses results of operations

before these excluded items as a basis for its strategic planning. The non-GAAP financial measures used by AtriCure may not be the same or calculated the same as those used by other companies. Reconciliations of the non-GAAP financial measures used in this release to the most comparable GAAP measures for the respective periods can be found in tables later in this release. Non-GAAP financial measures have limitations as analytical tools and should not be considered in isolation or as a substitute for AtriCure's financial results prepared and reported in accordance with GAAP.

ATRICURE, INC. AND SUBSIDIARIES CONDENSED CONSOLIDATED STATEMENTS OF OPERATIONS

(In Thousands, Except Per Share Amounts) (Unaudited)

	Three Months Ended Septemb			eptember 30,	Ni	ne Months End	led September 30,		
	2016			2015		2016		2015	
Domestic Revenue:									
Open-heart ablation	\$	14,766	\$	13,041	\$	43,455	\$	39,043	
Minimally invasive ablation		7,517		5,011		22,232		14,415	
AtriClip		7,721		5,927		21,917		17,716	
Total ablation and AtriClip		30,004		23,979		87,604		71,174	
Valve tools		571		686		2,115		2,158	
Total domestic		30,575		24,665		89,719		73,332	
International Revenue:									
Open-heart ablation		5,152		4,092		15,062		12,396	
Minimally invasive ablation		1,533		1,945		5,883		5,771	
AtriClip		994		598		2,883		2,058	
Total ablation and AtriClip		7,679		6,635		23,828		20,225	
Valve tools		86		123		405		335	
Total international		7,765		6,758		24,233		20,560	
Total revenue		38,340		31,423		113,952		93,892	
Cost of revenue		10,868		8,945		31,748		26,562	
Gross profit		27,472		22,478		82,204		67,330	
Operating expenses:									
Research and development expenses		8,271		6,504		25,958		17,975	
Selling, general and administrative									
expenses		25,487		22,101		79,689		65,445	
Total operating expenses		33,758		28,605		105,647		83,420	
Loss from operations		(6,286)		(6,127)		(23,443)		(16,090)	
Other expense, net		(495)		(8)		(1,246)		(188)	
Loss before income tax expense		(6,781)		(6,135)		(24,689)		(16,278)	
Income tax expense		2		6		24		20	
Net loss	\$	(6,783)	\$	(6,141)	\$	(24,713)	\$	(16,298)	
Basic and diluted net loss per share	\$	(0.21)	\$	(0.22)	\$	(0.78)	\$	(0.60)	
Weighted average shares used in computing net loss per share:			'						
Basic and diluted		31,706		27,462		31,547		27,190	

ATRICURE, INC. AND SUBSIDIARIES CONDENSED CONSOLIDATED BALANCE SHEETS (In Thousands) (Unaudited)

	Sej	otember 30, 2016	December 31, 2015		
Assets			-		
Current assets:					
Cash, cash equivalents, and short-term investments	\$	41,343	\$	34,578	
Accounts receivable, net		21,066		19,409	
Inventories		18,985		17,659	
Other current assets		3,016		3,106	
Total current assets		84,410		74,752	
Property and equipment, net		30,742		31,279	
Long-term investments		6,017		7,706	
Goodwill and intangible assets, net		157,799		159,032	
Other noncurrent assets		348		323	
Total assets	\$	279,316	\$	273,092	
Liabilities and Stockholders' Equity					
Current liabilities:					
Accounts payable and accrued liabilities	\$	25,998	\$	31,138	
Other current liabilities and current maturities of capital leases		492		450	
Total current liabilities		26,490		31,588	
Capital leases		13,423		13,710	
Long-term debt		25,023		_	
Other noncurrent liabilities		40,946		41,109	
Total liabilities		105,882		86,407	
Stockholders' equity:					
Common stock		33		32	
Additional paid-in capital		364,199		352,900	
Accumulated other comprehensive loss		(449)		(611)	
Accumulated deficit		(190,349)		(165,636)	
Total stockholders' equity		173,434		186,685	
Total liabilities and stockholders' equity	\$	279,316	\$	273,092	

ATRICURE, INC. AND SUBSIDIARIES CONDENSED CONSOLIDATED STATEMENTS OF CASH FLOWS (In Thousands)

(Unaudited)

	N	Nine Months End	tember 30,		
		2016		2015	
Cash flows from operating activities:		_			
Net loss	\$	(24,713)	\$	(16,298)	
Adjustments to reconcile net loss to net cash used in					
operating activities:					
Share-based compensation expense		8,796		6,533	
Depreciation and amortization of intangible assets		6,858		4,212	
Amortization of deferred financing costs		152		46	
Loss on disposal of property and equipment		107		83	
Realized (gain) loss from foreign exchange on intercompany transactions		(23)		333	
Amortization/accretion on investments		96		472	
Change in allowance for doubtful accounts		142		55	
Changes in operating assets and liabilities					
Accounts receivable		(1,777)		571	
Inventories		(1,234)		(2,461)	
Other current assets		136		(449)	
Accounts payable and accrued liabilities		(4,228)		2,738	
Other non-current assets and liabilities		(192)		403	
Net cash used in operating activities		(15,880)		(3,762)	
Cash flows from investing activities:					
Purchases of available-for-sale securities		(27,395)		(19,525)	
Sales and maturities of available-for-sale securities		14,602		29,174	
Purchases of property and equipment		(6,102)		(8,287)	
Proceeds from sale of property and equipment		3		_	
Increases in property under build-to-suit obligation		_		(9,128)	
Net cash used in investing activities	_	(18,892)	_	(7,766)	
Cash flows from financing activities:		(,-,-)		(1,1,1)	
Proceeds from debt borrowings		25,000		_	
Payments on capital leases		(343)		(36)	
Increases in build-to-suit obligation		(i i)		9,128	
Proceeds from tax incentive loan		_		340	
Payment of debt fees		(120)		(62)	
Proceeds from stock option exercises		2,595		2,421	
Shares repurchased for payment of taxes on stock awards		(1,078)		(650)	
Proceeds from issuance of common stock under employee		(1,070)		(030)	
stock purchase plan		987		906	
Net cash provided by financing activities		27,041		12,047	
Effect of exchange rate changes on cash and cash equivalents		74		(189)	
Net (decrease) increase in cash and cash equivalents		(7,657)		330	
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Cash and cash equivalents - beginning of period	Φ.	23,764	Ф	28,384	
Cash and cash equivalents - end of period	\$	16,107	\$	28,714	
Supplemental cash flow information:					
Cash paid for interest	\$	1,043	\$	4	
Cash paid for income taxes	Ψ	30	Ψ	20	
Noncash investing and financing activities:		50		20	
Accrued purchases of property and equipment		243		2,442	
Assets acquired through capital lease		125		50	
Capital lease asset early termination				30	
Capital lease asset early termination		28		_	

ATRICURE, INC. AND SUBSIDIARIES RECONCILIATION OF GAAP RESULTS TO NON-GAAP RESULTS (In Thousands) (Unaudited)

Reconciliation of Non-GAAP Adjusted Loss (Adjusted EBITDA)

	Three Months Ended September 30,			Nine Months Ended September 30,			
	2016		2015		2016		2015
Net loss, as reported	\$	(6,783)	\$	(6,141)	\$	(24,713) \$	(16,298)
Income tax expense		2		6		24	20
Other expense, net (a)		495		8		1,246	188
Depreciation and amortization expense		2,358		1,519		6,858	4,212
Share-based compensation expense		2,927		2,392		8,796	6,533
Non-GAAP adjusted loss (adjusted EBITDA)	\$	(1,001)	\$	(2,216)	\$	(7,789) \$	(5,345)

	Three Months Ended September 30,			Nine Months Ended September 30,				
		2016		2015		2016		2015
(a) Other includes:	·							
Net interest expense (income)	\$	463	\$	(40)	\$	1,100	\$	(91)
Grant income		_		_		_		(35)
Loss due to exchange rate fluctuation		32		48		146		257
Non-employee stock option expense		_		_		_		57
Other expense, net	\$	495	\$	8	\$	1,246	\$	188