

Cardiovascular Systems Inc  
Form 8-K  
February 03, 2010

**Table of Contents**

**UNITED STATES  
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): February 3, 2010  
Cardiovascular Systems, Inc.  
(Exact name of Registrant as Specified in its Charter)  
Delaware  
(State or Other Jurisdiction of Incorporation)**

000-52082  
(Commission File Number)

41-1698056  
(IRS Employer  
Identification No.)

651 Campus Drive  
St. Paul, Minnesota 55112-3495  
(Address of Principal Executive Offices and Zip Code)  
(651) 259-1600  
(Registrant's telephone number, including area code)  
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:

- 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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**TABLE OF CONTENTS**

Item 2.02 Results of Operations and Financial Condition

Item 9.01 Financial Statements and Exhibits

EXHIBIT INDEX

EX-99.1

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**Table of Contents**

**Item 2.02 Results of Operations and Financial Condition.**

On February 3, 2010, Cardiovascular Systems, Inc. issued a press release regarding the Company's financial results for its second fiscal quarter ended December 31, 2009. A copy of the Company's press release is attached hereto as Exhibit 99.1.

**Item 9.01 Financial Statements and Exhibits.**

**(d) Exhibits**

<b>Exhibit Number</b>	<b>Description</b>
<b>99.1</b>	Press Release dated February 3, 2010.

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**Table of Contents**

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.

Date: February 3, 2010

CARDIOVASCULAR SYSTEMS, INC.

By: /s/ Laurence L. Betterley  
Laurence L. Betterley  
Chief Financial Officer

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**Table of Contents**

**EXHIBIT INDEX**

<b>Exhibit Number</b>	<b>Description</b>
<b>99.1</b>	Press Release dated February 3, 2010.