

ROCKWELL MEDICAL TECHNOLOGIES INC  
Form S-8  
August 23, 2010

**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549  
FORM S-8  
REGISTRATION STATEMENT  
UNDER  
THE SECURITIES ACT OF 1933  
ROCKWELL MEDICAL TECHNOLOGIES, INC.  
(Exact name of registrant as specified in its charter)**

**Michigan**  
(State or other jurisdiction of  
incorporation or organization)

**38-3317208**  
(I.R.S. Employer  
Identification No.)

**30142 Wixom Road  
Wixom, Michigan**  
(Address of Principal Executive Offices)

**48393**  
(Zip Code)

**Rockwell Medical Technologies, Inc. 2007 Long Term Incentive Plan, as amended**  
(Full Title of the Plan)

Robert L. Chioini  
President and Chief Executive Officer  
Rockwell Medical Technologies, Inc.  
30142 Wixom Road  
Wixom, Michigan 48393  
(Name and address of agent for service)

(248) 960-9009  
(Telephone number, including area code, of agent for service)

**Copy to:**

Mark A. Metz  
Dykema Gossett PLLC  
400 Renaissance Center  
Detroit, Michigan 48243  
(313)568-6800

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, or a smaller reporting company. See the definitions of large accelerated filer, accelerated filer and smaller reporting company in Rule 12b-2 of the Exchange Act. (Check one):

Large accelerated  
filer

Accelerated filer

Non-accelerated filer

Smaller reporting  
company

(Do not check if a smaller reporting company)

**CALCULATION OF REGISTRATION FEE**

<b>Title of securities to be registered</b>	<b>Amount to be registered <sup>(1)</sup></b>	<b>Proposed maximum offering price per share<sup>(2)</sup></b>	<b>Proposed maximum aggregate offering price<sup>(2)</sup></b>	<b>Amount of registration fee</b>
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Common Stock, no par value	1,000,000	\$6.05	\$6,050,000	\$431.37
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- (1) This Registration Statement covers 1,000,000 shares, which includes options, restricted stock and other rights to acquire common stock, under the Rockwell Medical Technologies, Inc. 2007 Long-Term Incentive Plan, as amended, and, pursuant to Rule 416(a), an indeterminate number of additional shares which may be offered and issued to prevent dilution resulting from stock splits, stock dividends or similar transactions.
- (2) This calculation is made solely for the purpose of determining the amount of the registration fee pursuant to Rules 457(c) and 457(h) under the Securities Act of 1933, as

amended, based  
on the average  
of the high and  
low prices for  
the Common  
Stock on  
August 19,  
2010, as  
reported by the  
Nasdaq Stock  
Market.

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In accordance with general instruction E to Form S-8, Rockwell Medical Technologies, Inc. (the Company ) hereby incorporates by reference the contents of its Registration Statement on Form S-8 (No. 333-146817) filed October 19, 2007.

**Item 8. Exhibits**

The following exhibits are filed with this Registration Statement:

Exhibit Number	Description
4.1	Rockwell Medical Technologies, Inc. 2007 Long Term Incentive Plan (incorporated by reference to Appendix A of the Company s Proxy Statement for the 2010 Annual Meeting of Shareholders filed on April 15, 2010).
4.2	Amendment No. 1 to Rockwell Medical Technologies, Inc. 2007 Long Term Incentive Plan dated May 29, 2008 (incorporated by reference to Appendix A of the Company s Proxy Statement for the 2010 Annual Meeting of Shareholders filed on April 15, 2010).
4.3	Amendment No. 2 to Rockwell Medical Technologies, Inc. 2007 Long Term Incentive Plan dated May 21, 2009 (incorporated by reference to Appendix A of the Company s Proxy Statement for the 2010 Annual Meeting of Shareholders filed on April 15, 2010).
4.4	Amendment No. 3 to Rockwell Medical Technologies, Inc. 2007 Long Term Incentive Plan dated May 27, 2010 (incorporated by reference to Appendix A of the Company s Proxy Statement for the 2010 Annual Meeting of Shareholders filed on April 15, 2010).
5.1	Opinion of Dykema Gossett PLLC.
23.1	Consent of Plante & Moran, PLLC.
23.2	Consent of Dykema Gossett PLLC (contained in Exhibit 5.1).
24.1	Power of Attorney (contained on signature page).

**SIGNATURES**

Pursuant to the requirements of the Securities Act of 1933, the registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-8 and has duly caused this Registration Statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of Wixom, State of Michigan on August 23, 2010.

**ROCKWELL MEDICAL TECHNOLOGIES, INC.**

By: /s/ Robert L. Chioini  
Robert L. Chioini  
Chairman, President and Chief  
Executive Officer

**POWER OF ATTORNEY**

We, the undersigned directors and officers of Rockwell Medical Technologies, Inc., do hereby constitute and appoint Robert L. Chioini and Thomas E. Klema, or any of them, our true and lawful attorneys and agents, to do any and all acts and things in our name and on our behalf in our capacities as directors and officers and to execute any and all instruments for us and in our names in the capacities indicated below, which said attorneys and agents, or any of them, may deem necessary or advisable to enable said registrant to comply with the Securities Act of 1933 and any rules, regulations and requirements of the Securities and Exchange Commission, in connection with this Registration Statement, including specifically, but without limitation, power and authority to sign for us or any of us in our names in the capacities indicated below, any and all amendments (including post-effective amendments) hereto and registration statements filed pursuant to Rule 462 under the Securities Act of 1933, and we do hereby ratify and confirm all that said attorneys and agents, or any of them, shall do or cause to be done by virtue hereof.

Pursuant to the requirements of the Securities Act of 1933, this Registration Statement has been signed by the following persons in the capacities indicated on August 23, 2010.

<b>Signature</b>	<b>Title</b>
/s/ ROBERT L. CHIOINI	Chairman, President and Chief Executive Officer (principal executive officer)
Robert L. Chioini	

<b>Signature</b>	<b>Title</b>
/s/ THOMAS E. KLEMA Thomas E. Klema	Vice President of Finance, Chief Financial Officer, Treasurer and Secretary (principal financial officer and principal accounting officer)
/s/ KENNETH L. HOLT Kenneth L. Holt	Director
/s/ RONALD D. BOYD Ronald D. Boyd	Director
/s/ PATRICK J. BAGLEY Patrick J. Bagley	Director

**EXHIBIT INDEX**

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