

ROCKWELL MEDICAL TECHNOLOGIES INC  
 Form 4  
 December 17, 2008

**FORM 4**

UNITED STATES SECURITIES AND EXCHANGE COMMISSION  
 Washington, D.C. 20549

OMB APPROVAL  
 OMB Number: 3235-0287  
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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person \*  
**HOLT KENNETH L**

2. Issuer Name and Ticker or Trading Symbol  
**ROCKWELL MEDICAL TECHNOLOGIES INC [RMTI]**

5. Relationship of Reporting Person(s) to Issuer  
 (Check all applicable)

(Last) (First) (Middle)  
**8217 VICTORIA LAKE DRIVE**  
 (Street)

3. Date of Earliest Transaction (Month/Day/Year)  
**12/15/2008**

Director  10% Owner  
 Officer (give title below)  Other (specify below)

**WAXHAW, NC 28173**  
 (City) (State) (Zip)

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)  
 Form filed by One Reporting Person  
 Form filed by More than One Reporting Person

**Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned**

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)		
				Code	V	Amount				(A) or (D)	Price
Common Stock	12/15/2008		M			10,000	A	\$ 0.55	23,000	D	
Common Stock	12/15/2008		S			8,800	D	\$ 3.619	14,200	D	
Common Stock	12/16/2008		S			200	D	\$ 3.645	14,000	D	
Common Stock	12/16/2008		S			200	D	\$ 3.631	13,800	D	
Common Stock	12/16/2008		S			100	D	\$ 3.618	13,700	D	

Common Stock	12/16/2008	S	300	D	\$ 3.606	13,400	D
Common Stock	12/16/2008	S	200	D	\$ 3.615	13,200	D
Common Stock	12/16/2008	S	200	D	\$ 3.61	13,000	D

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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(9-02)

**Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)**

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)	8. Amount or Number of Shares
Stock Option (right to buy)	\$ 0.55	12/15/2008		M	10,000	<u>(1)</u> 12/16/2012	Common Stock	10,000

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
HOLT KENNETH L 8217 VICTORIA LAKE DRIVE WAXHAW, NC 28173		X		

## Signatures

/s/ Thomas E. Klema, attorney-in-fact for Kenneth L. Holt 12/17/2008

\_\_Signature of Reporting Person

Date

## Explanation of Responses:

- \* If the form is filed by more than one reporting person, *see* Instruction 4(b)(v).
- \*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations. *See* 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- (1) The option vested in four equal installments on December 16, 2002, 2003, 2004 and 2005.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.

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