

MECHANICAL TECHNOLOGY INC  
Form SC 13G/A  
February 04, 2008

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

**SCHEDULE 13G**

**(Rule 13d-102)**

**INFORMATION TO BE INCLUDED IN STATEMENTS FILED PURSUANT  
TO RULES 13d-1(b), (c) AND (d) AND AMENDMENTS THERETO FILED  
PURSUANT TO RULE 13d-2**

**Under the Securities Exchange Act of 1934  
(Amendment No. 2)\***

**MECHANICAL TECHNOLOGY INCORPORATED**

(Name of Issuer)

**Common Stock, \$1.00 par value per share**

(Title of Class of Securities)

**583538103**

(CUSIP Number)

**December 31, 2007**

(Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

- Rule 13d-1(b)
- Rule 13d-1(c)
- Rule 13d-1(d)

\*The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

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CUSIP No. 583538103

1. Names of Reporting Persons I.R.S. Identification Nos. of above persons (entities only)

Capital Ventures International

2. Check the Appropriate Box if a Member of a Group (See Instructions)

(a)   
 (b)

3. SEC Use Only

4. Citizenship or Place of Organization

Cayman Islands

5. Sole Voting Power

Number of  
 Shares  
 Beneficially  
 Owned by  
 Each  
 Reporting  
 Person With

6. Shared Voting Power  
 1,937,851 (1)

7. Sole Dispositive Power

8. Shared Dispositive Power  
 1,937,851 (1)

9. Aggregate Amount Beneficially Owned by Each Reporting Person  
 1,937,851(1)

10. Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)

11. Percent of Class Represented by Amount in Row (9)  
 4.9%

12. Type of Reporting Person (See Instructions)  
 CO

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(1) Heights Capital Management, Inc. is the investment advisor to Capital Ventures International and, as such, may exercise voting and dispositive power over these shares.

CUSIP No. 583538103

1. Names of Reporting Persons I.R.S. Identification Nos. of above persons (entities only)

Heights Capital Management, Inc.

2. Check the Appropriate Box if a Member of a Group (See Instructions)

(a)    
 (b)

3. SEC Use Only

4. Citizenship or Place of Organization

Delaware

Number of Shares Beneficially Owned by Each Reporting Person With	5.	Sole Voting Power 0
	6.	Shared Voting Power 1,937,851 (1)
	7.	Sole Dispositive Power 0
	8.	Shared Dispositive Power 1,937,851 (1)

9. Aggregate Amount Beneficially Owned by Each Reporting Person  
1,937,851 (1)

10. Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions)

11. Percent of Class Represented by Amount in Row (9)  
4.9%

12. Type of Reporting Person\* (See Instructions)

CO

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(1) Heights Capital Management, Inc. is the investment advisor to Capital Ventures International and, as such, may exercise voting and dispositive power over these shares.

CUSIP No. 583538103

**Item 1.**

- (a) Name of Issuer  
Mechanical Technology Incorporated (the Company )
- (b) Address of Issuer's Principal Executive Offices  
431 New Karner Road, Albany, NY 12205

**Item 2.**

- (a) Name of Person Filing  
(1) Capital Ventures International (a Reporting Person )  
  
(2) Heights Capital Management, Inc. (a Reporting Person )
- (b) Address of Principal Business Office or, if none, Residence  
(1) One Capitol Place, P.O. Box 1787 GT, Grand Cayman, Cayman Islands, B.W.I.  
  
(2) 101 California Street, Suite 3250, San Francisco, California 94111
- (c) Citizenship  
(1) Cayman Islands  
  
(2) Delaware
- (d) Title of Class of Securities  
Common Stock, \$1.00 par value per share, of the Company ( Common Stock )
- (e) CUSIP Number  
583538103

**Item 3.**

- If this statement is filed pursuant to §§240.13d-1(b) or 240.13d-2(b) or (c), check whether the person filing is a:**
- (a)  Broker or dealer registered under section 15 of the Act (15 U.S.C. 78o).
  - (b)  Bank as defined in section 3(a)(6) of the Act (15 U.S.C. 78c).
  - (c)  Insurance company as defined in section 3(a)(19) of the Act (15 U.S.C. 78c).
  - (d)  Investment company registered under section 8 of the Investment Company Act of 1940 (15 U.S.C. 80a-8).
  - (e)  An investment adviser in accordance with §240.13d-1(b)(1)(ii)(E);
  - (f)  An employee benefit plan or endowment fund in accordance with §240.13d-1(b)(1)(ii)(F);
  - (g)  A parent holding company or control person in accordance with §240.13d-1(b)(1)(ii)(G);
  - (h)  A savings association as defined in Section 3(b) of the Federal Deposit Insurance Act (12 U.S.C. 1813);
  - (i)  A church plan that is excluded from the definition of an investment company under section 3(c)(14) of the Investment Company Act of 1940 (15 U.S.C. 80a-3);
  - (j)  Group, in accordance with §240.13d-1(b)(1)(ii)(J).

CUSIP No. 583538103

**Item 4. Ownership**

Provide the following information regarding the aggregate number and percentage of the class of securities of the issuer identified in Item 1.

The information required by Items 4(a) - (c) is set forth in Rows 5 - 11 of the cover page for each Reporting Person hereto and is incorporated herein by reference for each such Reporting Person. The Company's Quarterly Report on Form 10-Q for the quarterly period ended September 30, 2007 indicates there were 38,179,888 shares of Common Stock outstanding as of November 2, 2007. In calculating the percentage of shares of Common Stock held by each Reporting Person, the Reporting Persons included warrants to purchase 548,962 shares of Common Stock but did not include warrants to purchase 839,927 shares of Common stock, which shares are not exercisable to the extent that the total number of shares of Common Stock then beneficially owned by each Reporting Person, together with its affiliates and any other persons whose beneficial ownership of shares of Common Stock would be aggregated with such Reporting Person for purposes of Section 13(d) of the Exchange Act, would exceed 4.99%.

Heights Capital Management, Inc., which serves as the investment manager to Capital Ventures International, may be deemed to be the beneficial owner of all Shares owned by Capital Ventures International. Each of the Reporting Persons hereby disclaims any beneficial ownership of any such Shares, except to the extent of their pecuniary interest therein.

**Item 5. Ownership of Five Percent or Less of a Class**

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following

**Item 6. Ownership of More than Five Percent on Behalf of Another Person**

Not applicable

**Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on By the Parent Holding Company or Control Person**

Not applicable

**Item 8. Identification and Classification of Members of the Group**

Not applicable

**Item 9. Notice of Dissolution of Group**

Not applicable

**Item 10. Certification**

By signing below, I certify that, to the best of my knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

Exhibits:

Exhibit I: Joint Filing Agreement, dated as of December 22, 2006, by and among Capital Ventures International and Heights Capital Management, Inc.



CUSIP No. 583538103

**Signature**

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Date: January 31, 2008

Capital Ventures International

By: Heights Capital Management, Inc.,  
pursuant to a Limited Power of Attorney, a copy  
of which is filed as Exhibit A hereto.

By: /s/ Todd Silverberg  
Todd Silverberg, Secretary

Heights Capital Management, Inc.

By: /s/ Todd Silverberg  
Todd Silverberg, Secretary

The Limited Power of Attorney executed by Capital Ventures International, authorizing Heights Capital Management, Inc. to sign and file this Schedule 13G on its behalf, which was filed with the Schedule 13G filed with the Securities and Exchange Commission on December 1, 2006 by Capital Ventures International and Heights Capital Management, Inc. with respect to the common stock of Discovery Laboratories, Inc., is hereby incorporated by reference.

JOINT FILING AGREEMENT

The undersigned hereby agree that the statement on Schedule 13G with respect to the shares of Common Stock of Mechanical Technology Incorporated, dated December 22, 2006, and any amendments thereto signed by each of the undersigned shall be filed on behalf of each of them pursuant to and in accordance with the provisions of 13d-1(k) under the Securities Exchange Act of 1934.

Date: December 22, 2006

Capital Ventures International

By: Heights Capital Management, Inc.  
pursuant to a Limited Power of Attorney, a  
copy of which is filed as Exhibit A to the  
Schedule 13G

By: /s/ Todd Silverberg  
Todd Silverberg, Secretary

Date: December 22, 2006

Heights Capital Management, Inc.

By: /s/ Todd Silverberg  
Todd Silverberg, Secretary

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