## KEY TECHNOLOGY INC Form SC 13G/A February 11, 2004

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

SCHEDULE 13G/A

Under the Securities Exchange Act of 1934 (Amendment No. 10)\*

Key Technology, Inc.
 (Name of Issuer)

Common Stock, \$0.01 par value (Title of Class of Securities)

493143 10 1 (CUSIP Number)

December 31, 2003 (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)

/X/ 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).

Item 3: SEC use only:

CUSIP No. 493143 10 1

Item 4: Citizenship or place of organization: United States of America Number of shares beneficially owned by each reporting person with: Item 5: Sole voting power: 530,529 Item 6: Shared voting power: Sole dispositive power: Item 7: 530,529 Item 8: Shared dispositive power: Item 9: Aggregate amount beneficially owned by each reporting person: 530,529 Item 10: Check if the aggregate amount in row (9) excludes certain N/A Item 11: Percent of class represented by amount in row 9: 10.5% Item 12: Type of reporting person: ΙN Item 1(a) Name of Issuer: Key Technology, Inc. Item 1(b) Address of Issuer's Principal Executive Offices: 150 Avery Street Walla Walla, WA 99362 Item 2(a) Name of Person Filing: Thomas C. Madsen Item 2(b) Address of Principal Business Office, or, if none, Residence: 150 Avery Street Walla Walla, WA 99362 Item 2(c) Citizenship:

United States of America

Item 2(d)	Title of Class of Securities:
	Common Stock
Item 2(e)	CUSIP Number:
	493143 10 1
Item 3	If this statement is filed pursuant to Sections 240.13d-1(b) or 240.13d-2(b) or (c), check whether the person filing is a:
	Not applicable
Item 4	Ownership.
	The following information is as of December 31, 2003:
	(a) Amount Beneficially Owned:
	530,529 shares
	(b) Percent of Class:
	The shares represent 10.5 percent of the class
	(c) Number of shares as to which such person has:
	(i) Sole power to vote or to direct the vote: 530,529
	(ii) Shared power to vote or to direct the vote: 0
	(iii) Sole power to dispose or to direct the disposition of: 530,529
	<pre>(iv) Shared power to dispose or to direct the     disposition of: 0</pre>
Item 5	Ownership of Five Percent or Less of a Class:
	Not applicable
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

Not applicable

#### 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.

February 10, 2004

/s/ Thomas C. Madsen
----Thomas C. Madsen

ATTENTION: Intentional misstatements or omissions of fact constitute federal criminal violations (See 18 USC 1001)