

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): **January 27, 2011**

MINERALS TECHNOLOGIES INC.

(Exact name of registrant as specified in its charter)

Delaware

(State or other jurisdiction
of incorporation)

1-11430

(Commission File
Number)

25-1190717

(IRS Employer
Identification No.)

622 Third Avenue, New York, NY

(Address of principal executive offices)

10017-6707

(Zip Code)

(212) 878-1800

(Registrant's telephone number, including area code)

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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Item 8.01**Other Events.**

On January 27, 2011, Minerals Technologies Inc. issued a press release announcing that that its Ferrotron Division of subsidiary Minteq International Inc. has released the LaCam®-Torpedo measuring system, a revolutionary way to measure refractory lining thickness in hot torpedo ladles. The LaCam®-Torpedo measuring system will be unveiled at METEC, the 8th International Metallurgical Trade Fair with Congress, on June 28 through July 2 in Dusseldorf, Germany.

A copy of the press release is included as Exhibit 99.1 and is incorporated into this Item 8.01 by reference.

Item 9.01**Financial Statements and Exhibits.**

- (d) Exhibits
 - 99.1 Press Release dated January 27, 2011
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SIGNATURES

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.

MINERALS TECHNOLOGIES INC.
(Registrant)

By: /s/ Thomas J. Meek

Name: Thomas J. Meek
Title: Vice President, General Counsel and Secretary

Date: January 28, 2011

MINERALS TECHNOLOGIES INC.

EXHIBIT INDEX

Exhibit No.
99.1

Subject Matter
Press Release dated January 27, 2011

News

For Immediate
Release
June 27,
2011
B. Honey

878-1831

Contact:

Rick

(212)

**MINERALS TECHNOLOGIES' FERROTRON UNIT ANNOUNCES REVOLUTIONARY NEW LASER-SCANNING TECHNOLOGY FOR USE IN
WORLDWIDE STEEL INDUSTRY**

New Technology Provides Fast, Effective and Safer Means to Inspect Hot Torpedo-Ladle Cars at Lower Cost to Steel Makers

NEW YORK, June 27—Minerals Technologies Inc., (NYSE: MTX) announced today that its Ferrotron Division of subsidiary Minteq International Inc., has released the LaCam®-Torpedo measuring system, a revolutionary way to measure refractory lining thickness in hot torpedo ladles.

The LaCam®-Torpedo measuring system will be unveiled at METEC, the 8th International Metallurgical Trade Fair with Congress, on June 28 through July 2 in Dusseldorf, Germany.

“This new technology will provide steel makers worldwide with improved safety, increased ladle availability and capacity, extended refractory life and cost savings in energy, material and the maintenance of hot torpedo ladles, which are used to transport liquid iron from a blast furnace to the steel plant via rail,” said Joseph C. Muscari, chairman and chief executive officer of Minerals Technologies Inc. “Our Ferrotron business has long been a market leader in 3D Laser Profile Measurement Systems for assessing refractory linings in steel converter vessels, electric arc furnaces and ladles. This new technology is a result of our commitment to research and the development of innovative new products that provide high value to our customers.”

“The LaCam®-Torpedo measuring system has an innovative, yet simple and rugged design that allows immersion of a laser head into a hot torpedo ladle with surrounding temperatures up to 1000°C (1832°F),” said Johannes C. Schut, senior vice president and managing director of Minteq International Inc., a wholly owned subsidiary of Minerals Technologies Inc., and a leading producer of refractory materials used to maintain and extend the useful life of high-temperature vessels in steel production.

The system’s laser-beam rapidly scans the lining thickness of the entire surface, collecting millions of data points that are generated in a wide range of computer displays from simple tabular reporting to a virtual walk-through of configurable 3D images.

“This new development allows steel makers to measure refractory-lining thickness in hot torpedo cars in less than three minutes, reducing the need to cool down the vessel for up to two days before a manual inspection of the car can be done,” explained Rolf Lamm, global director, Equipment, for Ferrotron, which is located in Duisburg, Germany. “The LaCam®-Torpedo measuring system eliminates the energy, cost, time and effect on the environment that is now required to bring torpedo ladles back into production after repairing the refractory lining and pre-heating the vessel with gas burners. This will reduce the number of torpedo ladle cars on a railway by increasing their life, which leads to cost reduction in refractory consumption, labor and maintenance expenses for a steel maker’s entire fleet of torpedo ladle cars. LaCam®-Torpedo measuring system brings enormous advantages to the steel industry.”

For further information about the LaCam®-Torpedo contact:

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Or, visit the METEC Exhibition, Stand No. F-15 in Hall 4 in the Dusseldorf Exhibition Center from June 28 through July 2 in Dusseldorf, Germany.

Minerals Technologies Inc. is a global resource- and technology-based growth company that develops, produces and markets worldwide a broad range of specialty mineral, mineral-based and synthetic mineral products and related systems and services. The company recorded sales of \$1.0 billion in 2010.

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For further information about Minerals Technologies Inc. look on the internet at <http://www.mineralstech.com/>