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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 28, 2010

**CORE MOLDING TECHNOLOGIES, INC.**

\_\_\_\_\_  
(Exact name of registrant as specified in its charter)

Delaware

001-12505

31-1481870

\_\_\_\_\_  
(State or other jurisdiction  
of incorporation)

\_\_\_\_\_  
(Commission  
File Number)

\_\_\_\_\_  
(I.R.S. Employer  
Identification No.)

800 Manor Park Drive, Columbus, Ohio

43228-0183

\_\_\_\_\_  
(Address of principal executive offices)

\_\_\_\_\_  
(Zip Code)

Registrant's telephone number, including area code:

614-870-5000

Not Applicable

\_\_\_\_\_  
Former name or former address, if changed since last report

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 1.01 Entry into a Material Definitive Agreement.**

On January 28, 2010, Core Molding Technologies, Inc. and Core Composites Corporation, its wholly-owned subsidiary (collectively referred to herein as "Core"), entered into a first addendum to its Comprehensive Supply Agreement, dated June 23, 2008 (the "Supply Agreement") with Navistar, Inc. ("Navistar").

The addendum to the Supply Agreement contains certain commitments of both Core and Navistar regarding the shift of production from Core's Columbus, Ohio manufacturing facility to its Matamoros, Mexico manufacturing facility. The shift from Columbus to Matamoros is being driven by Navistar's relocation of certain production to its Escobedo, Mexico assembly plant. Under the terms of the supply agreement, Navistar will continue to purchase one-hundred percent of its original equipment and service requirement that presently exist for specified fiberglass reinforced products and sheet molding compound from Core.

Core will incur approximately three million dollars of expense for transfer and start up costs as well as one million dollars of capital costs, associated with providing additional compression molding presses and related equipment at its Matamoros manufacturing facility to support the products being relocated.

Navistar is Core's largest customer and accounted for approximately 57% of Company's 2008 total revenue, and is also a significant stockholder, owning approximately 9.8% of the Company's outstanding common stock.

Core intends to seek confidential treatment of certain terms contained in the addendum to the Supply Agreement, which will be filed as an exhibit to the Company's annual report on Form 10-K for the year ended December 31, 2009.

**Item 7.01 Regulation FD Disclosure.**

A copy of the press release issued by Core announcing the addendum to the Supply Agreement is attached hereto as Exhibit 99(a).

**Item 9.01 Financial Statements and Exhibits.**

Exhibit 99(a)

Press Release

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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.

CORE MOLDING TECHNOLOGIES, INC.

*February 3, 2010*

By: *Herman F. Dick, Jr.*

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*Name: Herman F. Dick, Jr.*

*Title: Vice President, Secretary, Treasurer and Chief  
Financial Officer*

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Exhibit Index

**Exhibit No.**

**Description**

99.(a)

Press release



FOR IMMEDIATE RELEASE

CONTACT: KEVIN L. BARNETT  
(614) 870-5603

## CORE MOLDING TECHNOLOGIES ANNOUNCES ADDENDUM TO COMPREHENSIVE SUPPLY AGREEMENT

COLUMBUS, OHIO – February 3, 2010 — Core Molding Technologies, Inc. (NYSE Amex: CMT) today announced that it has signed an addendum to its Comprehensive Supply Agreement with Navistar, Inc. (“Navistar”). In accordance with this addendum, Core has agreed to shift production of certain products from its Columbus, Ohio facility to its Matamoros, Mexico facility. The shift from Columbus to Matamoros is being driven by Navistar’s relocation of certain production to its Escobedo, Mexico assembly plant. Under the terms of the Supply Agreement, Navistar will continue to purchase 100% of its original equipment and service requirements that presently exist for specified fiberglass reinforced products from Core. Core plans to incur approximately \$3.0 million of expense for transfer and startup costs and \$1.0 million of capital associated with this move. Core expects to transfer approximately 90 positions from Columbus to Matamoros by the end of June as a result of this production relocation.

“This move allows us to better serve Navistar by reducing logistical costs associated with our products and improves our overall competitiveness,” said Kevin L. Barnett, President and Chief Executive Officer. “We look forward to a continued long term relationship with Navistar,” Barnett added. “We are also sensitive to the impact of this move on our Columbus work force who have contributed so much to our Company, however this move could not be avoided due to Navistar’s production changes,” said Barnett. “Core continues to be very committed to Columbus and will increase its efforts to attract new business to the Columbus facility as a result of this transfer,” Barnett continued.

Core Molding Technologies is a compounder of sheet molding compound (SMC) and molder of fiberglass-reinforced plastics. The company produces high quality fiberglass-reinforced, molded products and SMC materials for varied markets, including medium and heavy-duty trucks, automobiles, personal watercraft, and other commercial products. The company offers customer a range of manufacturing processes to fit various volume and capital requirements. These processes include compression molding, resin transfer molding (RTM), spray-up and hand-lay-up. Core Molding Technologies has its headquarters in Columbus, Ohio, and operates plants in Columbus and Batavia, Ohio, Gaffney, South Carolina, and Matamoros, Mexico. More information on Core Molding Technologies can be found at [www.coremt.com](http://www.coremt.com).

*This press release contains certain forward-looking statements within the meaning of the federal securities laws. As a general matter, forward-looking statements are those focused upon future plans, objectives or performance as opposed to historical items and include statements of anticipated events or trends and expectations and beliefs relating to matters not historical in nature. Such forward-looking statements involve known and unknown risks and are subject to uncertainties and factors relating to Core Molding Technologies’ operations and business environment, all of which are difficult to predict and many of which are beyond Core Molding Technologies’ control. These uncertainties and factors could cause Core Molding Technologies’ actual results to differ materially from those matters expressed in or implied by such forward-looking statements.*

*Core Molding Technologies believes that the following factors, among others, could affect its future performance and cause actual results to differ materially from those expressed or implied by forward-looking statements made in this press release: business conditions in the plastics, transportation, watercraft and commercial product industries; general economic conditions in the markets, sometimes driven by federal and state regulations (including engine emission regulations), in which Core Molding Technologies operates; dependence upon three major customers as the primary source of Core Molding Technologies’ sales revenues; recent efforts of Core Molding Technologies to expand its customer base; failure of Core Molding Technologies’ suppliers to perform their contractual obligations; the availability of raw materials; inflationary pressures; new technologies; competitive and regulatory matters; labor relations; the loss or inability of Core Molding Technologies to attract and retain key personnel; compliance changes to federal, state and local environmental laws and regulations; the availability of capital; the ability of Core Molding Technologies to provide on-time delivery to customers, which may require additional shipping expenses to ensure on-time delivery or otherwise result in late fees; risk of cancellation or rescheduling of orders; management’s decision to pursue new products or businesses which involve additional costs, risks or capital expenditures; and other risks identified from time-to-time in Core Molding Technologies other public documents on file with the Securities and Exchange Commission, including those described in Item 1A of the 2008 Annual Report to Shareholders on Form 10-K.*