SECURITIES AND EXCHANGE COMMISSION

WASHINGTON, DC 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): August 13, 2007

CRANE CO.

(Exact name of registrant as specified in its charter)

DELAWARE

(State or other jurisdiction of incorporation)

1-1657 (Commission File Number) 13-1952290 (IRS Employer Identification No.)

100 First Stamford Place, Stamford, CT06902(Address of principal executive offices)(Zip Code)Registrant s telephone number, including area code: (203) 363-7300

N/A

(Former name or former address, if changed since last report)

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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))

INFORMATION TO BE INCLUDED IN THIS REPORT

Section 2 FINANCIAL INFORMATION

SECTION 8 OTHER EVENTS

ITEM 8.01 Other Events

On August 13, 2007, Crane Co. issued a press release announcing that it had acquired the Mobile Rugged Business (MRB) of Kontron America, Inc, a producer of computers, electronics and flat panel displays, for a purchase price of \$26.6 million in cash. A copy of the press release is attached as Exhibit 99.1.

Section 9 FINANCIAL STATEMENTS AND EXHIBITS

Item 9.01. Financial Statements and Exhibits.

- (a) None
- (b) None
- (c) None
- (d) Exhibits
- 99.1 Press Release dated August 13, 2007, issued by Crane Co.
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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.

CRANE CO.

Dated: August 13, 2007

By: /s/ J. Robert Vipond J. Robert Vipond

Vice President, Finance and Chief Financial Officer

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EXHIBIT INDEX

Exhibit No.Description99.1Press Release dated August 13, 2007, issued by Crane Co.

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