

AUGUST TECHNOLOGY CORP

Form 8-K

January 17, 2006

**UNITED STATES
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**

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Date of Report (Date of earliest event reported): **January 17, 2006**

AUGUST TECHNOLOGY CORPORATION

(Exact Name of Registrant as Specified in its Charter)

Minnesota

(State or Other Jurisdiction of Incorporation)

000-30637
(Commission File Number)

41-1729485
(IRS Employer
Identification No.)

4900 West 78th Street

Bloomington, Minnesota 55545

(Address of Principal Executive Offices) (Zip Code)

(952) 820-0080

(Registrant's Telephone Number, Including Area Code)

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))

- o 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 17, 2006, August Technology Corporation jointly issued a press release with Rudolph Technologies, Inc. announcing that the S-4 Registration Statement with respect to the agreement and plan of merger between August Technology and Rudolph Technologies has been declared effective by the Securities and Exchange Commission. A copy of the press release is attached as Exhibit 99.1 and is incorporated herein by reference.

Item 9.01 Financial Statements and Exhibits.

- (a) Financial statements: None.
- (b) Pro forma financial information: None.
- (c) Shell company transactions: None
- (d) Exhibits:

Exhibit 99.1 Press Release dated January 17, 2006.

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.

Dated: January 17, 2006

AUGUST TECHNOLOGY CORPORATION

By */s/ Stanley D. Piekos*
Stanley D. Piekos, Chief Financial Officer

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SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

AUGUST TECHNOLOGY CORPORATION

EXHIBIT INDEX TO FORM 8-K

Date of Report:
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EXHIBIT NO.

ITEM

99.1 Press release dated January 17, 2006.