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): April 16, 2010

ACME UNITED CORPORATION

(Exact name of registrant as specified in its charter)

Connecticut (State or other jurisdiction of incorporation or

organization)

001-07698 (Commission file number)

06-0236700 (I.R.S. Employer

Identification No.)

60 Round Hill Road, Fairfield, Connecticut (Address of principal executive offices)

06824 (Zip Code)

Registrant's telephone number, including area code: (203) 254-6060

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))

ITEM 2.02. RESULTS OF OPERATIONS AND FINANCIAL CONDITION.

On April 16, 2010, Acme United Corporation (the "Company") issued a press release announcing its financial results for the quarter ended March 31, 2010. A copy of the press release is attached as Exhibit 99.1 to this current report.

ITEM 9.01. FINANCIAL STATEMENTS AND EXHIBITS.

(c) Exhibits

Exhibit Number Description

99.1 Press release dated April 16, 2010.

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.

ACME UNITED CORPORATION

By /s/ Walter C. Johnsen Walter C. Johnsen Chairman and Chief Executive Officer

Dated: April 16, 2010

By

/s/ Paul G. Driscoll Paul G. Driscoll

Vice President and Chief Financial Officer

Dated: April 16, 2010

EXHIBIT INDEX

Exhibit NumberDescription99.1Press release dated April 16, 2010.

ACME UNITED CORPORATION

NEWS RELEASE

CONTACT: Paul G. Driscoll

Acme United Corporation Phone: (203) 254-6060 60 Round Hill Road FAX: (203) 254-6521 Fairfield, CT 06824

FOR IMMEDIATE RELEASE April 16, 2010

ACME UNITED CORPORATION REPORTS FIRST QUARTER SALES INCREASE OF 16%, SOLID EARNINGS GROWTH

FAIRFIELD, CONN. – April 16, 2010 – Acme United Corporation (NYSE AMEX:ACU) today announced that net sales for the quarter ended March 31, 2010 were \$13.1 million, compared to \$11.3 million in the first quarter of 2009, an increase of 16% (13% in local currency).

Net income was \$214,000 or \$.07 per diluted share for the quarter ended March 31, 2010 compared to \$42,000 or \$.01 per diluted share for the comparable period last year.

Net sales for the first quarter of 2010 in the U.S. segment increased 13% compared to the same period in 2009. The growth was mainly due to increased sales of new products, including iPoint pencil sharpeners, proprietary non-stick scissors, and Speed Pak utility knives. The Company added a number of new customers including major hardware and industrial accounts.

Net sales in Canada in the first quarter of 2010 increased 22% in U.S. dollars and 2% in local currency. European sales in the first quarter of 2010 increased 26% in U.S. dollars and 20% in local currency compared to the first quarter in 2009. Sales in Europe increased due to growth in the mass and office markets.

Gross margins were 39% in the first quarter of 2010 compared to 38% in the first quarter of 2009.

Walter C. Johnsen, President and CEO said, "All business segments had growth during the quarter, and contributed to our performance. We are particularly pleased with the sales of our new products, and the prospects for growth from our large customer base and new customers."

The Company's bank debt less cash on March 31, 2010 was \$3.4 million compared to \$8.6 million on March 31, 2009. During the 12 month period ended March 31, 2010, Acme purchased 175,509 shares of its common stock for treasury for a total of approximately \$1.5 million and paid \$650,000 in dividends on its common stock, which were offset by cash flow from operations of \$7.4 million. As of March 31, 2010, there were 148,826 shares that may be purchased under the Company's stock repurchase program.

ACME UNITED CORPORATION is a leading worldwide supplier of innovative cutting, measuring and safety products to the school, home, office, hardware and industrial markets.

Forward-looking statements in this report, including without limitation, statements related to the Company's plans, strategies, objectives, expectations, intentions and adequacy of resources, are made pursuant to the safe harbor provisions of the Private Securities Litigation Reform Act of 1995. Investors are cautioned that such forward-looking statements involve risks and uncertainties including, without limitation, the following: (i) the Company's plans, strategies, objectives, expectations and intentions are subject to change at any time at the discretion of the Company; (ii) the impact of current uncertainties in global economic conditions and the ongoing financial crisis affecting the domestic and foreign banking system and financial markets, including the impact on the Company's suppliers and customers (iii) the Company's plans and results of operations will be affected by the Company's ability to manage its growth, and (iv) other risks and uncertainties indicated from time to time in the Company's filings with the Securities and Exchange Commission.

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ACME UNITED CORPORATION CONSOLIDATED STATEMENTS OF INCOME FIRST QUARTER REPORT 2010 (unaudited)

Amounts in 000's except per share data	 Quarter Ended March 31, 2010		Quarter Ended March 31, 2009	
Net sales	\$ 13,121	\$	11,297	
Cost of goods sold	8,008		7,000	
Gross profit	5,113		4,299	
Selling, general, and administrative expenses	4,812		4,216	
Income from operations	301		82	
Interest expense, net	20		7	
Other expense, net	14		12	
Pre-tax income	267		63	
Income tax expense	53		21	
Net income	214		42	
Shares outstanding - Basic	3,170		3,343	
Shares outstanding - Diluted	3,274		3,402	
Earnings per share - basic	0.07		0.01	
Earnings per share - diluted	0.07		0.01	

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ACME UNITED CORPORATION CONDENSED CONSOLIDATED BALANCE SHEETS FIRST QUARTER REPORT 2010 (Unaudited)

Amounts in \$000's

	March 31, 2010	March 31, 200	March 31, 2009	
Assets				
Current assets:				
Cash	\$ 5,468	\$ 3,2	283	
Accounts receivable, net	10,230	9,6	625	
Inventories	18,497	21,7	734	
Prepaid and other current assets	1,229	1,2	245	
Total current assets	35,424	35,8	888	
Property and equipment, net	2,050	2,3	339	
Long term receivable	1,879	1,9	933	
Other assets	2,556	2,5	512	
Total assets	<u>\$ 41,909</u>	\$ 42,0	672	
Liabilities and stockholders' equity				
Current liabilities				
Accounts payable	\$ 4,030	\$ 2,8	824	
Other current liabilities	2,557	3,7	767	
Total current liabilities	6,587	6,5	591	
Long-term debt	8,908	11,8	880	
Other non-current liabilities	1,815	1,9	944	
Total liabilities	17,310	20,4	415	
Total stockholders' equity	24,599	22,2	257	
Total liabilities and stockholders' equity	\$ 41,909	\$ 42,6	672	

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