

**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) **February 2, 2007**

QUANEX CORPORATION

(Exact name of registrant as specified in its charter)

Delaware
(State or other jurisdiction
of incorporation)

1-5725
(Commission File Number)

38-1872178
(IRS Employer Identification No.)

1900 West Loop South, Suite 1500, Houston, Texas
(Address of principal executive offices)

77027
(Zip Code)

Registrant's telephone number, including area code: **713-961-4600**

(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(b) 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 7.01 Regulation FD Disclosure

This information shall not be deemed "filed" for purposes of Section 18 of the Securities Exchange Act of 1934, as amended (the "Exchange Act"), or incorporated by reference in any filing under the Securities Act of 1933, as amended, or the Exchange Act, except as shall be expressly set forth by specific reference in such a filing.

On February 2, 2007, Quanex Corporation issued a press release (the "Press Release") announcing that on February 1, 2007, a wholly owned subsidiary of Quanex purchased substantially all the assets of Atmosphere Annealing, Inc., a wholly owned subsidiary of Maxco, Inc. The foregoing is qualified by reference to the Press Release which is filed as Exhibit 99.1 to this Current Report on Form 8-K and is incorporated herein by reference.

Item 9.01. Financial Statements and Exhibits.

Exhibit 99.1. Press release dated February 2, 2007

SIGNATURE

Pursuant to the requirements of the Securities Exchange Act of 1934, as amended, the Registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

QUANEX CORPORATION

(Registrant)

February 2, 2007

/s/ THOMAS M. WALKER

(Date)

Thomas M. Walker
*Senior Vice President - Finance and Chief Financial Officer, (Principal
Financial Officer)*

Exhibit Index

99.1 Press release dated February 2, 2007

Quanex Corporation Purchases Atmosphere Annealing, Inc.

HOUSTON, Feb. 2, 2007 (PRIME NEWSWIRE) -- Quanex Corporation (NYSE:NX) today announced that on February 1, 2007 MACSTEEL Atmosphere Annealing, Inc., a wholly owned subsidiary of Quanex, purchased substantially all the assets of Atmosphere Annealing, Inc. (AAI), a wholly owned subsidiary of Maxco, Inc.

AAI is a metal heat treating company with four plants located in the Midwest and fiscal 2006 sales of \$46.6 million. Considered one of North America's leading heat-treating companies, AAI specializes in high volume, ferrous heat treating services for customers focused on automotive applications.

"The purchase of AAI builds upon MACSTEEL's ability to provide its Tier 1 and Tier 2 automotive customers with additional value added services and one-stop shopping. AAI, which focuses primarily on vehicular powertrain, steering and brake system components, serves many of the same customers as MACSTEEL," said Raymond Jean, Quanex chairman and chief executive officer. "In addition, half of AAI's new business is with the automotive transplant manufacturers, which should boost MACSTEEL's penetration of this growing market."

Quanex is a manufacturer of engineered materials and components for the vehicular products and building products markets. For further information, visit the Company's website at www.quanex.com.

The Quanex Corporation logo is available at <http://www.primenewswire.com/newsroom/prs/?pkgid=1117>

Statements that use the words "expect," "should," "may," "could," "will," "might," or similar words reflecting future expectations or beliefs are forward-looking statements. The statements above are based on Quanex's current expectations. Actual results or events may differ materially from this release. Factors that could impact future results may include, without limitation, the effect of both domestic and global economic conditions, the impact of competitive products and pricing, and the availability and cost of raw materials. For a more complete discussion of factors that may affect the Company's future performance, please refer to the Company's most recent 10-K filing of December 15, 2006, under the Securities Exchange Act of 1934, in particular the sections titled, "Private Securities Litigation Reform Act" contained therein.

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