

QUANEX CORP  
Form POS AM  
June 09, 2005

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As filed with the Securities and Exchange Commission on June 9, 2005

Registration No. 333-117183

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**UNITED STATES SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

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**Post-Effective  
Amendment No. 3**

to

**FORM S-3**

REGISTRATION STATEMENT UNDER THE SECURITIES ACT OF 1933

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**QUANEX CORPORATION**

(Exact name of registrant as specified in its charter)

**Delaware**

(State or other jurisdiction of  
incorporation or organization)

**38-1872178**

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

**1900 West Loop South, Suite 1500**

**Houston, Texas 77027**

**(713) 961-4600**

(Address, including zip code, and telephone number, including area code, of registrant's principal executive offices)

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**Kevin P. Delaney**

**1900 West Loop South, Suite 1500**

**Houston, Texas 77027**

**(713) 961-4600**

(Name, address, including zip code, and telephone number, including area code, of agent for service)

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Copy to:

**Harva R. Dockery**

**Fulbright & Jaworski L.L.P.**

**1301 McKinney, Suite 5100**

**Houston, TX 77010**

**(713) 651-5151**

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**Approximate Date of Commencement of Proposed Sale to the Public:** From time to time after this registration statement becomes effective, subject to market conditions and other factors.

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If the only securities being registered on this Form are being offered pursuant to dividend or interest reinvestment plans, please check the following box.

If any of the securities being registered on this Form are to be offered on a delayed or continuous basis pursuant to Rule 415 under the Securities Act of 1933, other than securities offered only in connection with dividend or interest reinvestment plans, check the following box.

If this Form is filed to register additional securities for an offering pursuant to Rule 462(b) under the Securities Act of 1933, please check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

If this Form is a post-effective amendment filed pursuant to Rule 462(c) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

If delivery of the prospectus is expected to be made pursuant to Rule 434, please check the following box.

\_\_\_\_\_

**The registrant hereby amends this registration statement on such date or dates as may be necessary to delay its effective date until the registrant shall file a further amendment which specifically states that this registration statement shall thereafter become effective in accordance with Section 8(a) of the Securities Act of 1933 or until the registration statement shall become effective on such date as the Commission, acting pursuant to said Section 8(a), may determine.**

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\_\_\_\_\_  
\_\_\_\_\_

PROSPECTUS

**\$125,000,000**

**2.50% Convertible Senior Debentures due May 15, 2034  
and the Common Stock Issuable Upon Conversion of the Debentures**

We issued the debentures in a private placement on May 5, 2004. The securities to be offered and sold using this prospectus will be offered and sold by the selling security holders named in this prospectus. See "Selling Security Holders" beginning on page 18. We will not receive any of the proceeds from the sale by the selling security holders of the securities offered by this prospectus.

The debentures are due May 15, 2034. We will pay interest on the debentures at an annual rate of 2.50% of the principal amount on May 15 and November 15 of each year, commencing November 15, 2004. Beginning on May 15, 2011, we will pay contingent interest on the debentures if the average trading price of the debentures is above a specified level, as described in this prospectus.

Holders may surrender their debentures for conversion into shares of our common stock at a conversion rate of 26.1113 shares of our common stock per \$1,000 principal amount of debentures. This is equivalent to a conversion price of approximately \$38.2976 per share of common stock, subject to adjustment in some events. Holders may surrender their debentures for conversion if any of the following conditions is satisfied:

during the fiscal quarter after any fiscal quarter ending on or after April 30, 2004, if the closing sale price of our common stock for at least 20 trading days in the 30 trading-day period ending on the last trading day of the previous fiscal quarter is more than 120% of the conversion price per share of our common stock on such last trading day;

if we have called the debentures for redemption; or

upon the occurrence of specified corporate transactions described in this prospectus.

Upon conversion of the debentures we may, in our discretion, in lieu of delivering shares of common stock, deliver cash or a combination of cash and shares of common stock. On January 26, 2005, we announced our irrevocable election to settle the principal amount of the debentures in cash when they become convertible and are surrendered by the holders thereof.

The debentures are our general unsecured senior obligations, ranking equally in right of payment with all of our existing and future unsecured senior indebtedness, and senior in right of payment to any of our existing and future subordinated indebtedness. The debentures are effectively subordinated to all of our senior secured indebtedness and all indebtedness and liabilities of our subsidiaries, including trade creditors.

On or after May 15, 2011, we may redeem for cash all or part of the debentures that have not previously been converted or purchased at a price equal to 100% of the principal amount of the debentures plus accrued and unpaid interest, contingent interest and additional interest, if any, up to but not including the date of redemption.

Holders may require us to purchase for cash all or part of their debentures on May 15 of 2011, 2014, 2019, 2024 and 2029 at a price equal to 100% of the principal amount of the debentures plus accrued and unpaid interest including contingent interest and additional interest, if any,

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up to but not including the date of purchase. In addition, upon a fundamental change (as described in this prospectus), each holder may require us to purchase for cash all or a portion of such holder's debentures at a price equal to 100% of the principal amount of the debentures plus accrued and unpaid interest including contingent interest and additional interest, if any, up to but not including the date of purchase.

The debentures will be treated as "contingent payment debt instruments" for United States federal income tax purposes and will be subject to special rules. You should read "Material U.S. Federal Income Tax Considerations".

Shares of our common stock are listed on the New York Stock Exchange under the symbol "NX". The closing price on the New York Stock Exchange on \_\_\_\_\_, 2005 was \$ \_\_\_\_\_.

**Investing in the debentures involves risks. See "Risk Factors" beginning on page 7.**

**Neither the SEC nor any state securities commission has approved or disapproved of these securities or determined if this prospectus is truthful or complete. Any representation to the contrary is a criminal offense.**

The date of this prospectus is \_\_\_\_\_, 2005

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You should rely only on the information contained in, or incorporated by reference into, this document or to which we have referred you. We have not authorized anyone to provide you with information that is different. This document may only be used where it is legal to sell these securities. The information in this document may only be accurate on the date of this document.

**ABOUT THIS PROSPECTUS**

This prospectus is part of a registration statement that we have filed with the Securities and Exchange Commission using a "shelf" registration process. This means the securities described in this prospectus may be offered and sold using this prospectus from time to time as described in the "Plan of Distribution". You should carefully read this prospectus and the information described under the heading "Where You Can Find More Information". Under no circumstances should the delivery to you of this prospectus or any offering or sales made pursuant to this prospectus create any implication that the information contained in this prospectus is correct as of any time after the date of this prospectus.

## SUMMARY

*This summary highlights basic information contained in this prospectus. This summary may not contain all of the information that is important to you, and it is qualified in its entirety by the more detailed information and historical consolidated financial statements, including the notes to those financial statements, that are part of our reports filed with the SEC and incorporated by reference in this prospectus. You should carefully consider the information contained in and incorporated by reference in the entire prospectus, including the information set forth under the heading "Risk Factors". In this prospectus, the terms "we", "us", "our", "the Company", and "Quanex" refer to Quanex Corporation and its subsidiaries unless the context indicates otherwise.*

### **Business Overview**

We are a technological leader in the production of value-added engineered carbon and alloy steel bars, aluminum flat-rolled products, flexible insulating glass spacer systems, engineered vinyl and thermoplastic alloy composite components, and precision-formed metal and wood products, which primarily serve the vehicular products and building products markets. We use state-of-the-art manufacturing technologies, low-cost production processes, and engineering and metallurgical expertise to provide customers with specialized products for specific applications. Our net sales and operating income in the fiscal year ended October 31, 2004 were \$1.46 billion and \$99.4 million, respectively, and in the six months ended April 30, 2005 were \$1.0 billion and \$145.1 million, respectively.

We operate 23 manufacturing facilities in 11 states in the United States. These facilities feature efficient plant design and flexible manufacturing processes, enabling us to produce a wide variety of custom engineered products and materials for the vehicular products and building products markets. We are able to maintain minimal levels of finished goods inventories at most locations because we typically manufacture products upon order to customer specifications.

### **Other Information**

Quanex was founded in 1927 and has been incorporated in Delaware since 1968. Our executive offices are located at 1900 West Loop South, Suite 1500, Houston, Texas 77027. Our telephone number at that address is (713) 961-4600. Our website address is [www.quanex.com](http://www.quanex.com). The information on our website is not part of this prospectus.

**Offering Summary**

This prospectus covers the resale of up to \$125,000,000 aggregate principal amount of the debentures and the 3,263,913 shares of our common stock (and accompanying rights (see page 45)) issuable upon conversion of the debentures plus an indeterminate number of shares of our common stock issuable upon conversion of the debentures by means of adjustment of the conversion price pursuant to the terms of the debentures. We issued and sold a total of \$125,000,000 aggregate principal amount of the debentures on May 5, 2004 in a private placement to Credit Suisse First Boston LLC, Bear, Stearns & Co. Inc., Robert W. Baird & Co. Incorporated and KeyBanc Capital Markets, A Division of McDonald Investments Inc. (the "initial purchasers"). The following summary contains basic information about the debentures and is not intended to be complete. It does not contain all the information that is important to holders of the debentures. For a more complete understanding of the debentures, please refer to the section of this document entitled "Description of the Debentures". For purposes of the description of the debentures included in this prospectus, references to "the Company", "Issuer", "us", "we" and "our" refer only to Quanex Corporation.

Issuer	Quanex Corporation, a Delaware corporation.
Securities Offered	\$125,000,000 aggregate principal amount of 2.50% Convertible Senior Debentures due May 15, 2034, including shares of our common stock into which the debentures are convertible.
Selling Security Holders	The securities to be offered and sold using this prospectus will be offered and sold by the selling security holders named in this prospectus. See "Selling Security Holders".
Issue Price	The debentures were issued at 100% of their principal amount plus accrued interest, if any, from May 5, 2004.
Maturity Date	May 15, 2034, unless earlier converted, redeemed by us at our option or repurchased by us at the option of the holders.
Interest	2.50% per annum interest rate from May 5, 2004 on the principal amount, payable semiannually, in arrears, on each May 15 and November 15 beginning November 15, 2004 to the holders of record at the close of business on the preceding May 1 and November 1, respectively. Interest generally will be computed on the basis of a 360 day year comprised of twelve 30 day months.
Contingent Interest	We will pay contingent interest to the holders of debentures during any six month period from May 15 to November 14 and from November 15 to May 14, commencing with the six month period beginning May 15, 2011 if the average "debenture price", as that term is defined on page 19, of a debenture for the five trading days ending on the third trading day immediately preceding the first day of the relevant six month period equals 120% or more of the principal amount of such debenture. The amount of contingent interest payable per debenture in respect of any such six month period will be equal to 0.25% per annum of such average debenture price of such debenture.

Ranking

The debentures are our general unsecured senior obligations, ranking equally in right of payment with all of our existing and future unsecured senior indebtedness, and senior in right of payment to any of our existing and future subordinated indebtedness. The debentures are effectively subordinated to all of our senior secured indebtedness and all indebtedness and liabilities of our subsidiaries, including trade creditors. As of April 30, 2005, we had approximately \$110.0 million of senior secured indebtedness outstanding, while our subsidiaries had approximately \$121.9 million of liabilities, including approximately \$9.5 million of indebtedness, outstanding. We and our subsidiaries are not prohibited from incurring senior indebtedness or other debt under the indenture. See "Description of the Debentures - General".

Conversion Rights

The debentures are convertible into shares of our common stock at a conversion rate of 26.1113 shares of our common stock per \$1,000 principal amount of debentures (which represents a conversion price of approximately \$38.2976 per share of common stock) under the conditions and subject to such adjustments as are described under "Description of the Debentures - Conversion Rights".

Holders may surrender their debentures for conversion into shares of our common stock prior to the stated maturity under the following circumstances:

during the fiscal quarter after any fiscal quarter ending on or after April 30, 2004, if the closing sale price of our common stock for at least 20 trading days in the 30 trading day period ending on the last trading day of the previous fiscal quarter is more than 120% of the conversion price per share of our common stock on such last trading day;

if we have called the debentures for redemption; or

upon the occurrence of specified corporate transactions.

Upon conversion of the debentures, we may, in our discretion, in lieu of delivering shares of common stock, deliver cash or a combination of cash and shares of common stock. If we elect to pay cash in lieu of shares, the payment will be based on the volume weighted average price of our common stock over a 20 trading day measurement period beginning on the third trading day following the conversion date. On January 26, 2005, we announced our irrevocable election to settle the principal amount of the debentures in cash when they become convertible and are surrendered by the holders thereof. See "Description of the Debentures Conversion Rights". This notification is irrevocable and legally binding with regard to any conversion of the debentures. As such, the cash conversion settlement election made with respect to the principal amount on that date remains effective if the debentures cease to be convertible for any period but subsequently become convertible again.

Until the debentures are surrendered for conversion, we will not be required to notify holders of our method for settling the excess amount of our conversion obligation relating to the amount of the conversion value above the principal amount, if any.

Except as described in "Description of the Debentures Conversion Rights", upon any conversion, you will not receive any separate cash payment representing accrued and unpaid interest including contingent interest and additional interest, if any.

Optional Redemption

On or after May 15, 2011, we may redeem for cash all or part of the debentures that have not been previously converted or purchased at a price equal to 100% of the principal amount of the debentures plus accrued and unpaid interest, including contingent interest and additional interest, if any, up to but not including the date of redemption. See "Description of the Debentures Optional Redemption".

Repurchase of the Debentures at the Option of Holders

Holder may require us to purchase for cash all or part of their debentures on May 15 of 2011, 2014, 2019, 2024 and 2029 at a price equal to 100% of the principal amount of the debentures plus accrued and unpaid interest, including contingent interest and additional interest, if any, up to but not including the date of purchase. See "Description of the Debentures Repurchase of Debentures at the Option of Holders Optional put".

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Fundamental Change	In the event of a fundamental change, as described in this prospectus, each holder may require us to purchase for cash all or a portion of such holder's debentures at a price equal to 100% of the principal amount of the debentures plus accrued and unpaid interest, including contingent interest and additional interest, if any, up to but not including the date of purchase. See "Description of the Debentures Repurchase of Debentures at the Option of Holders Repurchase of debentures at the option of holders upon a fundamental change".
Sinking Fund	None.
Use of Proceeds	We used the net proceeds from the initial offering of the debentures to repay a portion of the amounts outstanding under our revolving credit agreement and for general corporate purposes. We will not receive any proceeds from the sale by any selling security holder of the debentures or our common stock issuable upon conversion of the debentures.
Registration Rights Agreement	If we fail to comply with certain of our obligations under the registration rights agreement, additional interest will be payable on the debentures or, following conversion, additional amounts with respect to the shares of common stock issued upon conversion. See "Description of the Debentures Registration Rights".
DTC Eligibility	The debentures have been issued in book entry form and are represented by permanent global certificates deposited with, or on behalf of, The Depository Trust Company, or DTC, and registered in the name of a nominee of DTC. Beneficial interests in any of the debentures will be shown on, and transfers will be effected only through, records maintained by DTC or its nominee and any such interest may not be exchanged for certificated securities, except in limited circumstances. See "Description of the Debentures Book Entry, Delivery and Form".
Listing and Trading	The debentures issued in the private placement are eligible for trading in the PORTAL <sup>SM</sup> Market of the NASD, Inc. The debentures sold using this prospectus, however, will no longer be eligible for trading in the PORTAL <sup>SM</sup> Market. We do not intend to list the debentures on any other national securities exchange or automated quotation system. Our common stock is quoted on the New York Stock Exchange under the symbol "NX".

Risk Factors

An investment in the debentures and the common stock issuable upon conversion of the debentures involves risks. Prospective investors should carefully consider the information set forth under "Risk Factors".

U.S. Federal Income Tax Considerations

The debentures and the common stock issuable upon conversion of the debentures are subject to special and complex United States federal income tax rules. Prospective investors are urged to consult their own tax advisors with respect to the federal, state, local and foreign tax consequences of purchasing, owning and disposing of the debentures and common stock issuable upon conversion of the debentures. See "Risk Factors You should consider the U.S. federal income tax consequences of owning the debentures" and "Material U.S. Federal Income Tax Considerations".

## RISK FACTORS

*Before you buy the debentures and the common stock issuable upon conversion of the debentures, you should carefully consider the factors described below in addition to the remainder of this prospectus and the information incorporated by reference. If any of the risks actually occur, our business, financial condition or results of operations could be negatively affected.*

### Risks Relating to our Business

**If our raw materials or energy were to become unavailable or to significantly increase in price, we might not be able to timely produce products for our customers or maintain our profit levels.**

We require substantial amounts of raw materials, substantially all of which are purchased from outside sources. Furthermore, we do not have long-term contracts for the supply of most of our raw materials. The availability and prices of raw materials may be subject to curtailment or change due to new laws or regulations, suppliers' allocations to other purchasers or interruptions in production by suppliers. For example, we experienced a steep increase in costs for steel and aluminum scrap in fiscal 2004 due to a global rebound in manufacturing and demand for steel in addition to increased demand from China and other consumers for scrap metal. In addition, the operation of our facilities requires substantial amounts of electric power and natural gas. Any change in the supply of, or price for, these raw materials or energy could affect our ability to timely produce products for our customers. Although we have contractual arrangements with many of our customers that permit us to increase our prices in response to increased raw material costs, in times of rapidly rising raw material prices the adjustments will lag the current market price.

**Portions of our business are generally cyclical in nature. Lowered vehicle production, fewer housing starts, reduced remodeling expenditures or weaknesses in the economy could significantly reduce our net earnings.**

Demand for our products is cyclical in nature and sensitive to general economic conditions. Our business supports cyclical industries such as the automotive and construction industries.

The demand for our Vehicular Products Segment's products is largely dependent on the North American production level of vehicles. The markets for our products have historically been cyclical because new vehicle demand is dependent on, among other things, consumer spending and is tied closely to the overall strength of the economy. Declines in vehicle production could significantly reduce our net earnings. Our sales are also impacted by retail inventory levels and our customers' production schedules. If our OEM customers significantly reduce their inventory levels and reduce their orders from us, our performance would be impacted.

The primary drivers of our Building Products Segment are housing starts and remodeling expenditures. The building and construction industry is cyclical, and product demand is based on numerous factors such as interest rates, general economic conditions, consumer confidence and other factors beyond our control. Declines in housing starts and remodeling expenditures due to such factors could significantly reduce our net earnings.

**Portions of our business are seasonal in nature, leading to fluctuations in our quarterly earnings that may affect our ability to pay interest on the debentures.**

Portions of our business are seasonal in nature and follow activity levels in the building and construction industry. The primary markets for our Building Products divisions are in the Northeast, Midwest and West Coast regions of the United States, where weather during the winter months typically reduces homebuilding and home improvement activity. These divisions typically experience their lowest sales during the Company's first fiscal quarter. Furthermore, due to the number of holidays in the Company's first fiscal quarter, sales have historically been lower in this period as some customers reduce production schedules. Accordingly, our results for the first and second quarters of our fiscal year are not indicative of our annual profitability. If our earnings on a seasonally slow quarter fall too

much, our ability to pay interest on the debentures may be impaired and the value of our common stock may decrease.

**We are subject to various environmental requirements, and compliance with, or liabilities under, existing or future environmental laws and regulations could significantly increase our costs of doing business.**

Our operations are subject to extensive federal, state and local laws and regulations concerning the discharge of materials into the environment and the remediation of chemical contamination. To satisfy such requirements, we must make capital and other expenditures on an ongoing basis. For example, environmental agencies continue to develop regulations implementing the Federal Clean Air Act. Depending on the nature of the regulations adopted, we may be required to incur additional capital and other expenditures in the next several years for air pollution control equipment, to maintain or obtain operating permits and approvals, and to address other air emission-related issues. Future expenditures relating to environmental matters will necessarily depend upon the application to Quanex and our facilities of future regulations and government decisions. It is likely that we will be subject to increasingly stringent environmental standards and the additional expenditures related to compliance with such standards. Furthermore, if we fail to comply with applicable environmental regulations, we could be subject to substantial fines or penalties and to civil and criminal liability.

Under applicable state and federal laws, we also may be responsible for, among other things, all or part of the costs required to remove or remediate wastes or hazardous substances at locations we have owned or operated at any time. We are currently involved in environmental investigations or remediation at several such locations. From time to time, we also have been alleged to be liable for all or part of the costs incurred to clean up third-party sites where we are alleged to have arranged for disposal of hazardous substances. While we have established reserves for such liabilities, such reserves may not be adequate to cover the ultimate cost of remedial measures required by environmental authorities.

Total remediation reserves, at April 30, 2005, for our current plants, former operating locations, and disposal facilities were approximately \$9.4 million. Of that current remediation reserve, approximately \$2.0 million represents administrative costs; the balance represents estimated costs for investigation, studies, cleanup, and treatment. Approximately 55% of the total remediation reserve currently is allocated to cleanup and other corrective measures relating to the former Piper Impact operation. At present, the largest component is for remediation of soil and groundwater contamination from prior operators at the former Piper Impact property on Highway 15 in New Albany, Mississippi. We voluntarily implemented a state-approved remedial action plan there that includes natural attenuation together with a groundwater collection and treatment system, but we continue to investigate site conditions and evaluate performance of the remedy. During the first quarter of 2005, the Company sold the Piper Impact business, including its sole operating facility on Barkley Drive in New Albany. The Company currently owns the Highway 15 location, which no longer is operating.

The discovery of previously unknown contamination, inadequate performance of a remedy or the imposition of new clean-up requirements at any site for which we are responsible could require us to incur additional costs or become subject to significant new or increased liabilities.

**We may not be able to successfully identify, manage or integrate future acquisitions, and if we are unable to do so, we are unlikely to sustain our historical growth rates and profitability.**

Historically, we have grown through a combination of internal growth and external expansion through acquisitions, such as our December 2003 acquisitions of TruSeal Technologies and MACSTEEL Monroe and our December 2004 acquisition of Mikron Industries. Although we are actively pursuing our growth strategy both in our domestic target markets and overseas and expect to continue doing so in the future, we cannot provide any assurance that we will be able to identify appropriate acquisition candidates or, if we do, that we will be able to successfully negotiate the terms of an acquisition, finance the acquisition or integrate the acquired business effectively and profitably into our existing

operations. Integration of Mikron Industries or future acquired businesses could disrupt our business by diverting management's attention away from day-to-day operations. Further, failure to successfully integrate any acquisition may cause significant operating inefficiencies and could adversely affect our profitability. Consummating an acquisition could require us to raise additional funds through additional equity or debt financing. Additional equity financing could depress the market price of our common stock. Additional debt financing could require us to accept covenants that limit our financial or operating flexibility, including our ability to pay dividends.

**We operate in competitive markets, and our business will suffer if we are unable to adequately address potential downward pricing pressures and other factors that may reduce our operating margins.**

The principal markets that we serve are highly competitive. Competition is based primarily on the precision and range of achievable tolerances, quality, price and the ability to meet delivery schedules dictated by customers. Our competition in the markets in which we participate comes from companies of various sizes, some of which have greater financial and other resources than we do and some of which have more established brand names in the markets we serve. Any of these competitors may foresee the course of market development more accurately than us, develop products that are superior to our products, have the ability to produce similar products at a lower cost than us, or adapt more quickly than us to new technologies or evolving customer requirements. Increased competition could force us to lower our prices or to offer additional services at a higher cost to us, which could reduce our gross profit and net income, particularly in lower-margin businesses such as Nichols Aluminum.

**OEMs have significant pricing leverage over suppliers and may be able to achieve price reductions over time, which will reduce our profits.**

Temroc Metals sells directly to OEMs. Our Engineered Products division's products are sold primarily to OEMs, except for some residential building products, which are sold through distributors. MACSTEEL's and Nichols Aluminum's products are sold directly to OEMs and in smaller amounts through distributors. There is substantial and continuing pressure from OEMs in various industries, especially the automotive industry, to reduce the prices they pay to suppliers. We attempt to manage such downward pricing pressure, while trying to preserve our business relationships with our OEM customers, by seeking to reduce our production costs through various measures, including purchasing raw materials and components at lower prices and implementing cost-effective process improvements. However, our suppliers may resist pressure to lower their prices and may seek to impose price increases. If we are unable to offset OEM price reductions through these measures, our gross margins and profitability could be adversely affected. In addition, OEMs have substantial leverage in setting purchasing and payment terms, including the terms of accelerated payment programs under which payments are made prior to the account due date in return for an early payment discount.

**We could lose customers and the related revenues due to the transfer of manufacturing capacity by our customers out of the United States to lower cost regions of the world.**

Manufacturing activity in the United States has been on the decline over the past several years. One of the reasons for this decline is the migration by U.S. manufacturers to other regions of the world that offer lower cost labor forces. The combined effect is that U.S. manufacturers can reduce product costs by manufacturing and assembling in other regions of the world and then importing those products to the United States. Some of our customers have shifted production to other regions of the world and there can be no assurance that this trend will not continue. We will lose customers and revenues if our customers locate in areas that we choose not to serve or that we cannot economically serve.

**If our relationship with our employees were to deteriorate, we may be faced with labor shortages, disruptions or stoppages, which could shut down certain of our operations, reducing our revenue and income.**

Our operations rely heavily on our employees, and any labor shortage, disruption or stoppage caused by poor relations with our employees and/or renegotiation of labor contracts could shut down certain of our operations. Approximately 34% of our employees are covered by collective bargaining agreements which expire between 2006 and 2009. It is possible that we could become subject to additional work rules imposed by agreements with labor unions, or that work stoppages or other labor disturbances could occur in the future, any of which could reduce our revenue due to lost sales and income. Similarly, any failure to negotiate a new labor agreement when required might result in a work stoppage that could reduce our operating margins and income.

In addition, many OEMs and their suppliers have unionized work forces. Work stoppages or slowdowns experienced by OEMs or their suppliers could result in slowdowns or closures of assembly plants where our products are included in assembled vehicles. In the event that one or more of our customers experiences a material work stoppage, such work stoppage could prevent the customers from purchasing our products.

**Changes in regulatory requirements or new technologies may render our products obsolete or less competitive.**

Changes in legislative, regulatory or industry requirements or in competitive technologies may render certain of our products obsolete or less competitive, preventing us from selling them at profitable prices, or at all. Our ability to anticipate changes in technology and regulatory standards and to successfully develop and introduce new and enhanced products on a timely and cost-efficient basis will be a significant factor in our ability to remain competitive. Our business may, therefore, require significant ongoing and recurring additional capital expenditures and investments in research and development. We may not be able to achieve the technological advances necessary for us to remain competitive or certain of our products may become obsolete. We are also subject to the risks generally associated with new product introductions and applications, including lack of market acceptance, delays in product development and failure of products to operate properly.

**Equipment failures, delays in deliveries or catastrophic loss at any of our manufacturing facilities could lead to production curtailments or shutdowns that prevent us from producing our products.**

An interruption in production capabilities at any of our facilities as a result of equipment failure or other reasons could result in our inability to produce our products, which would reduce our sales and earnings for the affected period. In addition, we generally manufacture our products only after receiving the order from the customer and thus do not hold large inventories. In the event of a stoppage in production at any of our manufacturing facilities, even if only temporary, or if we experience delays as a result of events that are beyond our control, delivery times could be severely affected. Any significant delay in deliveries to our customers could lead to increased returns or cancellations and cause us to lose future sales. Our manufacturing facilities are also subject to the risk of catastrophic loss due to unanticipated events such as fires, explosions or violent weather conditions. We have in the past and may in the future experience plant shutdowns or periods of reduced production as a result of equipment failure, delays in deliveries or catastrophic loss, which could have a material adverse effect on our results of operations or financial condition. Although we have obtained property damage and business interruption insurance, we may not have adequate insurance to compensate us for all losses that result from any of these events.

**Our business involves complex manufacturing processes that may result in costly accidents or other disruptions of our operations.**

Our business involves complex manufacturing processes. Some of these processes involve high pressures, hot metal and other materials and equipment that present certain safety risks to workers

employed at our manufacturing facilities. Although we employ safety procedures in the design and operation of our facilities, the potential exists for accidents involving death or serious injury. The potential liability resulting from any such accident, to the extent not covered by insurance, could cause us to incur unexpected cash expenditures, thereby reducing the cash available to us to operate our business and pay interest on the debentures. Such an accident could disrupt operations at any of our facilities, which could adversely affect our ability to deliver product to our customers on a timely basis and to retain our current business.

**Flaws in the design or manufacture of our products could cause product liability or warranty claims for which we do not have adequate insurance or affect our reputation among customers.**

Our products are essential components in vehicles, buildings and other applications where problems in the design or manufacture of our products could result in property damage, personal injury or death. While we believe that our liability insurance is adequate to protect us from product liability and warranty liabilities, our insurance may not cover all liabilities or be available in the future at a cost acceptable to us. In addition, if any of our products prove to be defective, we may be required to participate in a recall involving such products. A successful claim brought against us in excess of available insurance coverage, if any, or a requirement to participate in any product recall, could significantly reduce our profits or negatively affect our reputation with customers.

**Risks Related to the Debentures and our Common Stock**

**The debentures are unsecured and future secured indebtedness, as well as all indebtedness of our subsidiaries, will rank effectively senior to the debentures.**

The debentures are unsecured and rank equal in right of payment with our existing and future unsecured and senior indebtedness. The debentures are effectively subordinated to our secured debt to the extent of the value of the assets that secure that indebtedness. In the event of our bankruptcy, liquidation or reorganization or upon acceleration of the debentures, payment on the debentures could be less, ratably, than on any secured indebtedness. We may not have sufficient assets remaining to pay amounts due on any or all of the debentures then outstanding. As of April 30, 2005, we had approximately \$110.0 million of senior secured indebtedness outstanding. The debentures effectively would be subordinated to such borrowings.

The debentures are not guaranteed by any of our subsidiaries. Our right to receive any distribution of assets of any subsidiary upon that subsidiary's liquidation, reorganization or otherwise, is subject to the prior claims of creditors of that subsidiary, except to the extent we are also recognized as a creditor of that subsidiary. As a result, the debentures are effectively subordinated to the claims of such creditors. As of April 30, 2005, our subsidiaries had approximately \$9.5 million of aggregate indebtedness outstanding to which the debentures effectively are subordinated.

The indenture governing the debentures does not prohibit or limit us or our subsidiaries from incurring additional indebtedness, including additional secured indebtedness, and other liabilities, or from pledging assets to secure such indebtedness and liabilities. The incurrence of additional indebtedness and, in particular, the granting of a security interest to secure the indebtedness, could adversely affect our ability to pay our obligations on the debentures. As of April 30, 2005, we had \$184.2 million available under our revolving credit agreement. Furthermore, our revolving credit agreement would have allowed us to incur approximately \$95.4 million of additional indebtedness as of April 30, 2005 (although additional amounts could be incurred if the banks waived certain covenants contained in the revolving credit agreement).

**We may not be able to repay or repurchase the principal amount of the debentures when required.**

At maturity, the entire outstanding principal amount of the debentures will become due and payable by us. In addition, on May 15 of 2011, 2014, 2019, 2024 and 2029 or if certain designated events occur (as described in "Description of the Debentures Repurchase of Debentures at the

Option of Holders"), holders of the debentures may require us to repurchase their debentures for cash. If the holders require us to repurchase the debentures as described under "Description of the Debentures Repurchase of Debentures at the Option of Holders Optional put" or in the event a fundamental change occurs, we will be required to purchase all or any part of the holder's debentures at a purchase price equal to 100% of their principal amount, plus accrued and unpaid interest (including contingent interest and additional interest, if any) to, but not including, the date of purchase. It is possible that we will not have sufficient funds at the time of repurchase to make the required repurchases of the debentures or that restrictions in our other indebtedness may not allow these repurchases. Our failure to purchase the debentures would be a default under the indenture. We refer you to "Description of the Debentures Repurchase of Debentures at the Option of Holders".

**You should consider the U.S. federal income tax consequences of owning the debentures.**

Under the indenture governing the debentures, we agreed, and by acceptance of a beneficial interest in a debenture each holder of a debenture is deemed to have agreed, to treat the debentures as indebtedness for U.S. federal income tax purposes that is subject to the Treasury regulations governing contingent payment debt instruments. For U.S. federal income tax purposes, interest income on the debentures will accrue at the rate of 5.86% per year, compounded semi-annually, which rate represents our determination of the yield at which we could have issued, as of the issue date, a comparable noncontingent, nonconvertible, fixed-rate debt instrument with terms and conditions otherwise similar to the debentures. A United States Holder (as that term is defined in "Material U.S. Federal Income Tax Considerations") will be required to accrue interest income on a constant yield to maturity basis at this rate (subject to certain adjustments), with the result that a United States Holder generally will recognize taxable income significantly in excess of regular interest payments received while the debentures are outstanding.

A United States Holder will also recognize gain or loss on the sale, conversion, exchange, redemption or retirement of a debenture in an amount equal to the difference between the amount realized on the sale, conversion, exchange, redemption or retirement of a debenture, including the fair market value of our common stock received, and the United States Holder's adjusted tax basis in the debenture. Any gain recognized on the sale, conversion, exchange, redemption or retirement of a debenture generally will be ordinary interest income; any loss will be ordinary loss to the extent of the interest previously included in income, and thereafter, capital loss. The material U.S. federal income tax consequences relevant to persons holding the debentures are summarized in this prospectus under the heading "Material U.S. Federal Income Tax Considerations".

If we increase the cash dividend on our common stock, an adjustment to the conversion rate may result, and you may be deemed to have received a taxable dividend subject to U.S. federal income tax without the receipt of any cash. If you are a Non-United States Holder (as defined in "Material U.S. Federal Income Tax Considerations"), such deemed dividend may be subject to U.S. federal withholding tax at a 30% rate or such lower rate as may be specified by an applicable treaty. See "Material U.S. Federal Income Tax Considerations".

**We expect that the trading value of the debentures will be significantly affected by the price of our common stock and other factors which may affect the price you receive if you sell the debentures.**

The market price of the debentures is expected to be significantly affected by the market price of our common stock. This may result in greater volatility in the trading value of the debentures than would be expected for nonconvertible debt securities. In addition, the debentures have a number of features, including conditions to conversion, that could result in a holder receiving less than the value of our common stock into which a debenture would otherwise be convertible. These features could adversely affect the value and the trading price for the debentures.

**Because there is no current market for the debentures, an active trading market may not develop.**

There is no established trading market for the debentures. We do not intend to list the debentures for trading on a national securities exchange. Although the debentures issued in the private placement are currently traded on the PORTAL<sup>SM</sup> Market, there may be no liquidity in any market for the debentures, the holders may not be able to sell their debentures, or the prices at which holders of the debentures would be able to sell their debentures may not be acceptable. The debentures could trade at prices higher or lower than their initial purchase prices depending on many factors. Accordingly, there can be no assurance that a market for the debentures will develop. Furthermore, if a market were to develop, the market price for the debentures may be adversely affected by changes in our financial performance, changes in the overall market for similar securities and changes in performance or prospects for companies in our industry.

**If we experience a fundamental change, we may be unable to purchase your debentures as required under the indenture.**

Upon a fundamental change, as described in this prospectus, you will have the right to require us to repurchase your debentures. If we experience a fundamental change and do not have sufficient funds to pay the repurchase price for all of the debentures you tendered, an event of default under the indenture governing the debentures would occur as a result of such failure. Such a fundamental change would also constitute a default under our revolving credit agreement, resulting in the acceleration of the amounts due thereunder and termination of the agreement. We may not have sufficient funds to repurchase the debentures and repay the revolving credit facility simultaneously. In addition, a fundamental change may be prohibited or limited by, or create an event of default under, other agreements relating to borrowings which we may enter into from time to time. Borrowings under the revolving credit agreement will be, and other borrowings are likely to be, senior indebtedness. Therefore, a fundamental change at a time when we cannot pay for your debentures that are tendered as a result of such fundamental change could result in your receiving substantially less than the principal amount of the debentures. See "Description of the Debentures Repurchase of Debentures at the Option of Holders Repurchase of debentures at the option of holders upon a fundamental change".

**The debentures are not protected by restrictive covenants, so our operation of the business may reduce the value of the debentures and we may enter into major transactions without the consent of the holders of the debentures.**

The indenture governing the debentures does not contain any financial or operating covenants or restrictions on the payment of dividends, the incurrence of indebtedness or liens or the issuance or repurchase of securities by us or any of our subsidiaries. The indenture contains no covenants or other provisions to afford protection to holders of the debentures in the event of a fundamental change involving us, except to the extent described under "Description of the Debentures Repurchase of Debentures at the Option of Holders Repurchase of debentures at the option of holders upon a fundamental change" and "Description of the Debentures Consolidation, Merger and Sale of Assets". We could enter into certain transactions, including recapitalizations, that would not constitute a fundamental change but would increase the amount of debt, including other senior indebtedness, outstanding or otherwise adversely affect the debentures.

**The conditional conversion feature of the debentures could result in your receiving less than the value of the common stock into which a debenture is convertible.**

The debentures are convertible only if specified conditions are met. If the specified conditions for conversion are not met, you will not be able to convert your debentures, and you will not be able to receive the value of the common stock into which the debentures would otherwise be convertible.

**Upon conversion of the debentures, we will pay cash in lieu of issuing shares of our common stock for the principal amount of the debentures. Therefore, holders of the debentures will receive no shares of**

**our common stock for the principal amount of the debentures, and as to any excess amount, may receive no shares of our common stock or fewer shares than the number into which their debentures are convertible.**

On January 26, 2005, we announced our irrevocable election to settle the principal amount of the debentures in cash when they become convertible and are surrendered by the holders thereof. We have the right to satisfy our obligation with respect to any excess amounts due to holders as a result of conversion of the debentures by issuing shares of common stock into which the debentures are convertible, the cash value of the common stock into which the debentures are convertible, or a combination thereof. Accordingly, upon conversion of a debenture, holders may not receive any shares of our common stock, or they might receive fewer shares of common stock relative to the conversion value of any excess amounts due as a result of conversion of the debentures. Further, our liquidity may be reduced because we have elected to deliver cash upon conversion for the principal amount of the debentures, and may be further reduced to the extent that we choose to deliver cash rather than shares of common stock for any excess amounts due as a result of conversion of debentures.

**If we elect to settle any excess amounts due as a result of conversion of the debentures in cash or a combination of cash and common stock, your settlement will be delayed for an additional 22 trading days.**

On January 26, 2005, we announced our irrevocable election to settle the principal amount of the debentures in cash when they become convertible and are surrendered by the holders thereof. If we elect to settle any excess amounts upon conversion of debentures in cash or a combination of cash and our common stock, settlement with respect to this excess amount will be delayed until the 25<sup>th</sup> trading day following our receipt of the holder's conversion notice, unless the cash settlement averaging period is extended under certain circumstances or the holder submits its conversion notice within 30 trading days prior to maturity. See "Description of the Debentures Conversion Rights Payment Upon Conversion".

**We have the ability to issue additional equity securities, which would lead to dilution of our issued and outstanding common stock.**

The issuance of additional equity securities or securities convertible into equity securities, as well as the conversion of the debentures or any other securities convertible into equity securities, would result in dilution of existing stockholders' equity interests in us. We are authorized to issue, without stockholder approval, 1,000,000 shares of preferred stock, no par value per share, in one or more series, which may give other stockholders dividend, conversion, voting, and liquidation rights, among other rights, which may be superior to the rights of holders of our common stock. Our board of directors has the authority to issue, without vote or action of stockholders, shares of preferred stock in one or more series, and has the ability to fix the rights, preferences, privileges and restrictions of any such series. Any such series of preferred stock could contain dividend rights, conversion rights, voting rights, terms of redemption, redemption prices, liquidation preferences or other rights superior to the rights of holders of our common stock. Our board of directors has no present intention of issuing any such preferred series, but reserves the right to do so in the future. In addition, we are authorized to issue, without stockholder approval, up to 50,000,000 shares of common stock, \$.50 par value per share, of which 25,104,325 were outstanding as of March 8, 2005. We are also authorized to issue, without stockholder approval, securities convertible into either common stock or preferred stock.

**Trading in the debentures may result in increased short selling of our common stock, and conversion of the debentures will dilute the existing owners of our common stock.**

Certain purchasers of convertible debentures pursue trading strategies which entail selling short the equity securities issuable upon conversion of the debentures; should future purchasers of our debentures pursue such trading strategies any such short sales may have a downward effect on the trading price of our common stock. Upon any conversion of the debentures into our common stock, existing shareholders of the common stock will experience dilution to the extent of the common shares

issued upon conversion, and our reported earnings per share may, under certain circumstances, be less than our reported earnings per share had the conversion not occurred.

**We are subject to a new accounting rule that results in lower earnings per share, on a diluted basis.**

At its September 2004 meeting, the Emerging Issues Task Force (EITF) of the Financial Accounting Standards Board (FASB) reached a conclusion on EITF Issue No. 04-8, "The Effect of Contingently Convertible Debt on Diluted Earnings Per Share", that would require the contingent shares issuable under the debentures to be included in our diluted earnings per share calculation retroactive to the date of issuance by applying the "if converted" method under FASB Statement No. 128, "Earnings Per Share" (FAS 128). The new rule was ratified by the FASB in October 2004. Under the consensus, companies are required to retroactively restate diluted earnings per share numbers applying the "if converted" method of accounting from the issuance date of the contingently convertible bond. The Company adopted the consensus reached by the EITF on Issue 04-8 on January 31, 2005. Prior to adopting the consensus, the Company announced that it had irrevocably elected to settle the principal amount of its Debentures in cash when they become convertible and are surrendered by the holders thereof. The Company retains its option to satisfy any premium obligation (stock price in excess of conversion price) with either shares, cash or a combination of shares and cash. As a result of the Company's election, diluted earnings per share includes only the amount of shares it would take to satisfy the premium obligation assuming all of the Debentures were surrendered. The Company estimates that for every \$3.00 increase in its stock price above the Debentures' conversion price of \$38.30, diluted earnings per share will be reduced by approximately \$0.01 per quarter.

### FORWARD-LOOKING STATEMENTS

Certain of the statements contained in this prospectus and in documents incorporated by reference herein are "forward-looking" statements as defined under the Private Securities Litigation Reform Act of 1995. Generally, the words "expect", "believe", "intend", "estimate", "anticipate", "project", "will" and similar expressions identify forward-looking statements, which generally are not historical in nature. All statements which address future operating performance, events or developments that we expect or anticipate will occur in the future, including statements relating to volume, sales, operating income and earnings per share, and statements expressing general optimism about future operating results, are forward-looking statements. Forward-looking statements are subject to certain risks and uncertainties that could cause actual results to differ materially from our company's historical experience and our present projections or expectations. As and when made, management believes that these forward-looking statements are reasonable. However, caution should be taken not to place undue reliance on any such forward-looking statements since such statements speak only as of the date when made and there can be no assurance that such forward-looking statements will occur. We undertake no obligation to publicly update or revise any forward-looking statements, whether as a result of new information, future events or otherwise.

Factors exist that could cause our actual results to differ materially from the expected results described in or underlying our company's forward-looking statements. Some of such factors are described in the "Risk Factors" section of this prospectus and include:

- worldwide political stability and domestic and international economic activity,
- availability of steel and aluminum scrap and other raw materials;
- prevailing prices of steel and aluminum scrap and other raw material costs,
- the rate of change in prices for steel and aluminum scrap,
- energy costs,
- interest rates,
- market conditions, particularly in the vehicular, home building and remodeling markets,
- any material changes in purchases by our principal customers,
- labor supply and relations,
- new environmental regulations,
- changes in estimates of costs for environmental cleanup or compliance,
- the successful implementation of our internal operating plans, and acquisition strategies and integration,
- performance issues with key customers, suppliers and subcontractors, and
- regulatory changes and legal proceedings.

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Accordingly, there can be no assurance that the forward-looking statements contained herein will occur or that objectives will be achieved. All written forward-looking statements attributable to Quanex or persons acting on our behalf are expressly qualified in their entirety by such factors.

**RATIO OF EARNINGS TO FIXED CHARGES**

We have computed the ratio of earnings to fixed charges for each of the following periods on a consolidated basis.

	Fiscal years ended October 31,					Six months ended April 30, 2005
	2000	2001	2002	2003	2004	
Ratio of earnings to fixed charges	*	4.0x	7.3x	24.3x	15.7x	25.1x

\*

For the fiscal year ended October 31, 2000, fixed charges exceeded earnings by approximately \$14.9 million.

Ratio of earnings to fixed charges is computed by dividing income before taxes and fixed charges by fixed charges. Fixed charges consist of interest charges, capitalized interest and amortization of debt issuance costs. The computation is as follows:

	Fiscal years ended October 31,					Six months ended April 30, 2005
	2000	2001	2002	2003	2004	
(dollars in thousands, except per share data)						
Income (loss) before income taxes	\$ (14,856)	\$ 45,622	\$ 81,614	\$ 65,823	\$ 88,775	\$ 129,199
Add:						
Interest expense	15,255	16,555	14,812	2,517	5,514	5,058
Debt issuance amortization	502	367	121	312	535	292
Capitalized interest	(1,941)	(1,666)	(1,879)			
Earnings (loss) as defined	\$ (1,040)	\$ 60,878	\$ 94,668	\$ 68,652	\$ 94,824	\$ 134,549
Interest expense	\$ 15,255	\$ 16,555	\$ 14,812	\$ 2,517	\$ 5,514	\$ 5,058
Debt issuance amortization	502	367	121	312	535	292
Capitalized interest	(1,941)	(1,666)	(1,879)			
Fixed charges as defined	\$ 13,816	\$ 15,256	\$ 13,054	\$ 2,829	\$ 6,049	\$ 5,350
Ratio of earnings to fixed charges	*	4.0x	7.3x	24.3x	15.7x	25.1x

\*

For the fiscal year ended October 31, 2000, fixed charges exceeded earnings by approximately \$14.9 million.

**NO PROCEEDS**

On May 5, 2004, the Company issued the debentures in a private placement to Credit Suisse First Boston, Bear, Stearns & Co. Inc., Robert W. Baird & Co., and KeyBanc Capital Markets as initial purchasers. The net proceeds from the private placement, totaling approximately \$122 million, were used to repay a portion of the amounts outstanding under our revolving credit agreement.

The securities to be offered and sold using this prospectus will be offered and sold by the selling security holders named in this prospectus or in any amendment to this prospectus. We will not receive any proceeds from the sale of the securities or conversion of the debentures. The shares of our common stock offered by this prospectus are issuable upon conversion of the debentures with respect to any excess above the principal amount, which excess amount may be settled in cash, stock or a combination of cash and stock.

**SELLING SECURITY HOLDERS**

On May 5, 2004, we issued and sold a total of \$125,000,000 aggregate principal amount of the debentures in a private placement to Credit Suisse First Boston LLC, Bear, Stearns & Co. Inc., Robert W. Baird & Co. Incorporated and KeyBanc Capital Markets, A Division of McDonald Investments Inc. (which we refer to as the initial purchasers in this prospectus). The debentures were resold in transactions exempt from the registration requirements of the Securities Act of 1933, as amended, to "qualified institutional buyers" (as defined in Rule 144A under the Securities Act) in compliance with Rule 144A. The selling security holders, which term includes their transferees, distributees, pledgees or donees or their successors, may from time to time offer and sell pursuant to this prospectus any and all of the debentures and any shares of our common stock issuable upon conversion of the debentures for any excess amount above the principal amount, which excess amount may be settled in cash, stock or a combination of cash and stock, will be made when the debentures are tendered for conversion).

The debentures and our shares of common stock to be issued upon conversion of the debentures are being registered pursuant to a registration rights agreement between us and the initial purchasers. In that agreement, we undertook to file a registration statement with regard to the debentures and our shares of common stock issuable upon conversion of the debentures and, subject to certain exceptions, to keep that registration statement effective for up to two years. The registration statement to which this prospectus relates is intended to satisfy our obligations under that agreement.

The selling security holders named below have advised us that they currently intend to sell the debentures and our shares of common stock set forth below pursuant to this prospectus. The selling security holders may offer all, some or none of the debentures or the common stock into which the debentures are convertible. To our knowledge, none of the selling security holders named below nor any of their affiliates, officers, directors or principal equity holders, has, during the three years prior to the date of this prospectus, held any position, office or other material relationship with us or any of our predecessors or affiliates, except as may be noted below in "Plan of Distribution".

Unless the securities were purchased pursuant to this registration statement, before a security holder not named below may use this prospectus in connection with an offering of securities, this prospectus will be amended to include the name and amount of debentures and common stock beneficially owned by the selling security holder and the amount of debentures and common stock to be offered. Any amended prospectus will also disclose whether any selling security holder selling in connection with that amended prospectus has held any position, office or other material relationship with us or any of our predecessors or affiliates during the three years prior to the date of the amended prospectus.



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Less than 1%

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On January 26, 2005, we announced our irrevocable election to settle the principal amount of the debentures in cash when they become convertible and are surrendered by the holders thereof.

(1)

Because a selling security holder may sell all or a portion of the debentures and common stock issuable upon conversion of the debentures (see note # above) pursuant to this prospectus, no estimate can be given as to the number or percentage of debentures and common stock that the selling security holder will hold upon termination of any sales. The information

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presented assumes that all of the selling security holders will fully exchange the debentures for shares of our common stock and that the selling security holders will sell all shares of our common stock that they received pursuant to such exchange.

- (2) Includes shares of common stock issuable upon conversion of the debentures (see note # above).
- (3) For purposes of this table, the number of shares of our common stock issuable upon conversion of the debentures is calculated assuming the conversion of the full amount of debentures held by such holder at a conversion rate of 26.1113 shares of our common stock per \$1,000 principal amount of the debentures, which equals a conversion price of approximately \$38.2976. This conversion rate is subject to adjustment as described under "Description of Debentures Conversion Rights Conversion Rate Adjustments". Accordingly, the number of shares of our common stock to be sold may increase or decrease from time to time. Fractional shares will not be issued upon conversion of the debentures. Cash will be paid instead of fractional shares, if any. On January 26, 2005, we announced our irrevocable election to settle the principal amount of the debentures in cash when they become convertible and are surrendered by the holders thereof.
- (4) This selling security holder is a reporting company under the Securities Exchange Act.
- (5) This selling security holder has identified itself as a registered broker-dealer and, accordingly, it is, under the interpretations of the Securities and Exchange Commission, an "underwriter" within the meaning of the Securities Act of 1933. Please see "Plan of Distribution" for required disclosure regarding these selling security holders.
- (6) FrontPoint Convertible Arbitrage Fund GP LLC is the general partner of FrontPoint Convertible Arbitrage Fund, L.P. FrontPoint Partners LLC is the managing member of FrontPoint Convertible Arbitrage Fund GP, LLC and as such has voting and dispositive power over the securities held by the fund. Philip Duff, W. Gillespie Caffray and Paul Ghaffari are members of the board of managers of FrontPoint Partners LLC and are the sole members of its management committee. Messrs. Duff, Caffray and Ghaffari and FrontPoint Partners LLC and FrontPoint Convertible Arbitrage Fund GP, LLC each disclaim beneficial ownership of the securities held by the fund except for their pecuniary interest therein.
- (7) KBC Financial Products USA Inc. exercises voting and investment control over any shares of common stock issuable upon conversion of the Notes owned by this selling shareholder. Mr. Luke Edwards, Managing Director, may be deemed to be the beneficial owner of these securities since he exercises voting and investment control over them.
- (8) This selling security holder has identified itself as an affiliate of a registered broker-dealer and has represented to us that such selling security holder acquired its debentures or underlying common stock in the ordinary course of business and, at the time of the purchase of the debentures or the underlying common stock, such selling security holder had no agreements or understandings, directly or indirectly, with any person to distribute the debentures or underlying common stock. To the extent that we become aware that such selling security holder did not acquire its debentures or underlying common stock in the ordinary course of business or did have such an agreement or understanding, we will file a post-effective amendment to the registration statement of which this prospectus forms a part to designate such affiliate as an "underwriter" within the meaning of the Securities Act of 1933.
- (9) Pursuant to an investment management agreement, RG Capital Management, L.P. ("RG Capital") serves as the investment manager of Radcliffe SPC, Ltd.'s Class A Convertible Crossover Segregated Portfolio. RGC Management Company, LLC ("Management") is the general partner of RG Capital. Steve Katznelson and Gerald Stahlecker serve as the managing members of Management. Each of RG Capital, Management and Messrs. Katznelson and Stahlecker disclaims beneficial ownership of the securities owned by Radcliffe SPC, Ltd. for and on behalf of the Class A Convertible Crossover Segregated Portfolio.
- (10) Glenn Dubin and Henry Swieca are the principals of Highbridge Capital Management, the trading advisor to Highbridge International LLC. As such, they may be deemed to be the beneficial owners of these securities since they exercise voting and investment power over them.
- (11) Citadel Limited Partnership ("Citadel") is the trading manager of Citadel Equity Fund Ltd. and consequently has investment discretion over securities held by Citadel Equity Fund Ltd. Citadel disclaims beneficial ownership of the shares beneficially owned by Citadel Equity Fund Ltd. Kenneth C. Griffin indirectly controls Citadel and therefore has ultimate investment discretion over securities held by Citadel Equity Fund Ltd. Mr. Griffin disclaims beneficial ownership of the shares held by Citadel Equity Fund Ltd.
- (12) Maren Lindstrom may be deemed to be the beneficial owner of these securities since she exercises voting and investment power over them.
- (13) Shawn Bergerson may be deemed to be the beneficial owner of these securities since he exercises voting and investment power over them.
- (14)

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Van Nguyen, Jon Illuzzi, Andrew Mitchell, Nathaniel Newlin, Timothy Walton and Venkatesh Reddy may be deemed to be the beneficial owners of these securities since they exercise voting and investment powers over them.

- (15) Lionhart Investments Limited may be deemed to be the beneficial owner of these securities since it exercises voting and investment power over them.
- (16) Includes shares of common stock beneficially owned other than shares of common stock issuable upon conversion of the debentures.
- (17) Not exactly equal to 26.1113 shares of common stock per \$1,000 principal amount of the debentures due to rounding.

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- (18) Louise Morwick may be deemed to be the beneficial owner of these securities since she exercises voting and investment power over them.
- (19) Edward E. Lees, James A. White, Jr. and Robert Jordan may be deemed to be the beneficial owners of these securities since they exercise voting and investment power over them.
- (20) Dominic Lynch may be deemed to be the beneficial owner of these securities since he exercises voting and investment power over them.
- (21) Palisade Capital Management, LLC may be deemed to be the beneficial owner of these securities since it exercises voting and investment power over them.
- (22) Michael J. Carusillo, Clayton A. Struve and Nicholas D. Schoewe may be deemed to be the beneficial owners of these securities since they exercise voting and investment power over them.
- (23) Elliot Bossen may be deemed to be the beneficial owner of these securities since he exercises voting and investment power over them.

Unless it is otherwise noted in the above table and the footnotes thereto, none of the selling security holders has identified itself to us as a broker-dealer or as an affiliate of a broker dealer. To our knowledge, no selling security holder who is a registered broker-dealer or an affiliate of a registered broker-dealer received any securities as underwriting compensation. Please see "Plan of Distribution" for required disclosure regarding these selling security holders.

**DESCRIPTION OF THE DEBENTURES**

We issued the debentures under an indenture dated as of May 5, 2004 between us and Union Bank of California, N.A., as trustee.

The following description is only a summary of the material provisions of the debentures, the indenture and the registration rights agreement. It does not purport to be complete. We urge you to read these documents in their entirety because they, and not this description, define the rights of holders of the debentures. You may request copies of these documents from us upon written request at our address, which is listed under "Summary Other Information".

For purposes of this section, references to "we", "us", "our" and "Quanex" refer solely to Quanex Corporation and not to our subsidiaries.

**General**

*The Debentures*

The debentures:

are limited to \$125,000,000 aggregate principal amount;

mature on May 15, 2034, unless earlier converted by you, redeemed at our option or purchased by us at your option;

bear interest at a rate of 2.50% per annum, payable semi-annually, in arrears, on each May 15 and November 15, beginning on November 15, 2004 to the holders of record at the close of business on the preceding May 1 and November 1, respectively;

accrue contingent interest, which may be payable as set forth below under " Contingent Interest";

bear additional interest or in the case of common stock issued upon conversion of the debentures, additional amounts, if we fail to comply with certain obligations set forth below under " Registration Rights";

are our general unsecured senior obligations, ranking equally in right of payment with all of our existing and future unsecured senior indebtedness, and senior in right of payment to any of our existing and future subordinated indebtedness. The debentures are effectively subordinated to all of our senior secured indebtedness and all indebtedness and liabilities of our subsidiaries, including trade creditors;

are convertible as to the principal amount into cash, and as to any excess amounts, at a conversion rate of 26.1113 shares of our common stock per \$1,000 principal amount of debentures (which represents a conversion price of approximately \$38.2976 per share of common stock; under the conditions and subject to such adjustments as are described under " Conversion Rights";

are redeemable by us beginning on May 15, 2011 at any time as a whole or in part, at a redemption price in cash equal to 100% of the principal amount of the debentures to be redeemed plus accrued and unpaid interest (including contingent interest and additional interest, if any) to, but not including, the redemption date as described under " Optional Redemption";

are subject to repurchase by us for cash at the option of the holders on May 15 of 2011, 2014, 2019, 2024 and 2029 or upon a fundamental change, at a repurchase price in cash equal to 100% of the principal amount of the debentures to be repurchased plus accrued and unpaid interest (including contingent interest and additional interest, if any) to, but not including, the repurchase date as described under " Repurchase of Debentures at the Option of Holders



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Optional put" and " Repurchase of debentures at the option of holders upon a fundamental change"; and

are represented by one or more registered securities in global form as described under " Book-Entry, Delivery and Form".

The indenture will not contain any financial covenants and will not restrict us or our subsidiaries from paying dividends, incurring additional senior indebtedness or any other indebtedness or issuing or repurchasing securities. The indenture will contain no covenants or other provisions to afford protection to holders of debentures in the event of highly leveraged transaction or a fundamental change of Quanex, except to the extent described under " Repurchase of Debentures at the Option of Holders Repurchase of debentures at the option of holders upon a fundamental change" and " Consolidation, Merger and Sale of Assets".

The debentures are our general unsecured senior obligations, ranking equally in right of payment with all of our existing and future unsecured senior indebtedness, and senior in right of payment to any of our existing and future subordinated indebtedness. The debentures are effectively subordinated to all of our senior secured indebtedness and all indebtedness and liabilities of our subsidiaries, including trade creditors. As of April 30, 2005, we had approximately \$110.0 million of senior secured indebtedness outstanding, while our subsidiaries had approximately \$121.9 million of liabilities, including approximately \$9.5 million of indebtedness, outstanding.

No sinking fund is provided for the debentures. The debentures are issued only in registered form, without coupons, in denominations of \$1,000 principal amount and multiples thereof.

We will maintain an office where the debentures may be presented for registration, transfer, exchange or conversion. This office will initially be an office or agency of the trustee. Except under limited circumstances described below, the debentures are issued only in fully registered book-entry form, without coupons, and are represented by one or more global securities. There will be no service charge for any registration of transfer or exchange of debentures. We may, however, require holders to pay a sum sufficient to cover any tax or other governmental charge payable in connection with certain transfers or exchanges.

Holder may not sell or otherwise transfer the debentures or the common stock issuable upon conversion of the debentures except in compliance with any applicable transfer restrictions and the provisions set forth under "Selling Security Holders", "Plan of Distribution" and " Registration Rights".

### ***Interest***

The debentures will bear interest at a rate of 2.50% per annum from May 5, 2004. We will pay interest semi-annually, in arrears, on May 15 and November 15 of each year, beginning on November 15, 2004, subject to limited exceptions if the debentures are converted prior to the relevant interest payment date. Interest will be paid to the holders of record at the close of business on the preceding May 1 and November 1, as the case may be, immediately preceding the relevant interest payment date; provided that interest will be paid to a person other than the holder of record on the record date on the maturity date or, in connection with a redemption at our option or repurchase at the option of the holders, on the redemption date or repurchase date, as the case may be, if it is after a record date but on or before the corresponding interest payment date. In any such case, we will pay the accrued and unpaid interest only to the person to whom we pay the principal amount.

Interest will be computed on the basis of a 360-day year comprised of twelve 30-day months. We will also pay contingent interest on the debentures in the circumstances described under " Contingent Interest".

***Contingent Interest***

Subject to the accrual and record date provisions described below, we will pay contingent interest to the holders of debentures during any six-month period from May 15 to November 14 and from November 15 to May 14, commencing with the six-month period beginning on May 15, 2011 if the average debenture price of a debenture for the five trading days ending on the third trading day immediately preceding the first day of the relevant six-month period equals 120% or more of the principal amount of such debenture. The amount of contingent interest payable per debenture with respect to any such six-month period will equal 0.25% per annum of such average debenture price of such debenture.

We will pay contingent interest, if any, in the same manner as we will pay interest described above under " Interest".

The "debenture price" on any date of determination means the average of the secondary market bid quotations per \$1,000 debenture obtained by the bid solicitation agent for \$10,000,000 principal amount of debentures at approximately 4:00 p.m., New York City time, on such determination date from three unaffiliated securities dealers we select, provided that if:

at least three such bids are not obtained by the bid solicitation agent, or

in our reasonable judgment, the bid quotations are not indicative of the secondary market value of the debentures,

then the debenture price will equal (a) the then-applicable conversion rate of the debentures multiplied by (b) the average closing sale price (as defined under " Conversion Rights") of our common stock for the last five trading days ending on such determination date.

A "trading day" means a day during which trading in securities generally occurs on the New York Stock Exchange or, if our common stock is not listed on the New York Stock Exchange, on the principal other national or regional securities exchange on which our common stock is then listed or, if our common stock is not listed on a national or regional securities exchange, on the National Association of Securities Dealers Automated Quotation system ("Nasdaq") or, if our common stock is not quoted on Nasdaq, on the principal other market on which such common stock is then traded.

The bid solicitation agent will initially be the trustee. We may change the bid solicitation agent, but it will not be one of our affiliates. The bid solicitation agent will solicit bids from nationally recognized securities dealers that are believed by us to be willing to bid for the debentures.

Upon determination that holders of debentures will be entitled to receive contingent interest which may become payable during a relevant six-month period, on or prior to the start of such six-month period, we will provide notice to all holders at their addresses shown in the register of the registrar setting forth the amount of contingent interest per \$1,000 principal amount of debentures and disseminate a press release and publish it on our website.

Under the indenture governing the debentures, we and each holder of the debentures agree, for United States federal income tax purposes, to treat the debentures as indebtedness that is subject to Treasury Regulations governing contingent payment debt instruments.

**Conversion Rights**

***General***

Holders may surrender any outstanding debentures for conversion at a conversion rate of 26.1113 shares of our common stock per \$1,000 principal amount (which represents a conversion price of

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approximately \$38.2976 per share of common stock), subject to the conversion rate adjustments described below, under the following circumstances:

during the fiscal quarter after any fiscal quarter ending on or after April 30, 2004, if the closing sale price of our common stock for at least 20 trading days in the 30 trading-day period ending on the last trading day of the previous fiscal quarter is more than 120% of the conversion price per share of our common stock on such last trading day;

if we have called the debentures for redemption; or

upon the occurrence of specified corporate transactions that are described in greater detail below under " Conversion Rights Conversion upon specified corporate transactions".

We will not issue fractional shares of common stock upon conversion of the debentures. Instead, we will pay the cash value of such fractional shares based upon the closing sale price of our common stock on the trading day immediately preceding the conversion date. Holders may convert debentures only in denominations of \$1,000 principal amount and integral multiples thereof. On January 26, 2005, we announced our irrevocable election to settle the principal amount of the debentures in cash when they become convertible and are surrendered by the holders thereof.

If a holder exercises its right to require us to repurchase its debentures as described under " Repurchase of Debentures at the Option of Holders Optional put" and " Repurchase of debentures at the option of holders upon a fundamental change", such holder may convert its debentures into shares of our common stock only if it withdraws its applicable repurchase notice in accordance with the indenture.

We describe each of these circumstances in greater detail below.

### *Conversion upon satisfaction of common stock sale price conditions*

Holders may surrender debentures for conversion into shares of our common stock prior to the stated maturity during the fiscal quarter after any fiscal quarter ending on or after April 30, 2004, if the closing sale price of our common stock for at least 20 trading days in the 30 trading-day period ending on the last trading day of the previous fiscal quarter is more than 120% of the conversion price per share of our common stock on such last trading day.

The "closing sale price" of our common stock on any trading day means the closing per share sale price (or if no closing sale price is reported, the average of the bid and ask prices or, if there is more than one bid or ask price, the average of the average bid and the average ask prices) on such trading day as reported in composite transactions for the principal U.S. securities exchange on which our common stock is traded or, if the common stock is not listed on a U.S. national or regional securities exchange, as reported by Nasdaq or, if our common stock is not quoted on Nasdaq, on the principal other market on which such common stock is then traded.

The "conversion price" per share of our common stock as of any day equals the quotient of the principal amount of a debenture divided by the number of shares of our common stock issuable upon conversion of such debenture on that day.

### *Conversion upon notice of redemption*

A holder may surrender for conversion any debentures we call for redemption at any time prior to the close of business on the business day prior to the redemption date, even if the debentures are not otherwise convertible at that time. If a holder already has delivered a repurchase notice with respect to a debenture, however, the holder may not surrender that debenture for conversion until the holder has withdrawn the notice in accordance with the indenture.

*Conversion upon specified corporate transactions*

Even if the closing sale price contingency described above under " Conversion upon satisfaction of common stock sale price conditions" has not occurred, if we elect to distribute to holders of our common stock:

certain rights or warrants entitling them to subscribe for or purchase shares of our common stock at less than the closing sale price on the record date for such issuance (excluding purchase rights governed by our stockholder rights plan), or

cash, debt securities (or other evidence of indebtedness) or other assets (excluding dividends or distributions described in clauses (1) or (2) in the description below of adjustments to the conversion rate), which distribution has a per share value exceeding 5% of the closing sale price of the common stock on the trading day preceding the declaration date for such distribution,

we must notify the holders of debentures at least 20 days prior to the ex-dividend date for such distribution. Once we have given such notice, holders may surrender their debentures for conversion at any time until the earlier of the close of business on the business day prior to the ex-dividend date or our announcement that such distribution will not take place; provided that a holder may not exercise this right to convert if the holder will otherwise participate in the distribution without conversion.

The "ex-dividend date" means, with respect to any issuance or distribution on shares of our common stock, the first trading day on which the shares of our common stock trade "regular way" on the principal securities market on which the shares of common stock are then traded without the right to receive such issuance or distribution.

In addition, if we are party to a consolidation, merger, combination or binding share exchange involving Quanex or transfer or lease of all or substantially all of our assets pursuant to which our common stock would be converted into cash, securities or other assets, a holder may surrender debentures for conversion at any time from and after the date that is 15 days prior to the anticipated effective date of the transaction or event until 15 days after the actual date of such transaction or event.

In the event of any reclassification of our common stock, a consolidation, merger, combination or binding share exchange involving Quanex or transfer or lease of all or substantially all of our assets under which our common stock is converted into cash, securities or other property, then at the effective time of the transaction, the right to convert a debenture into our common stock will be changed into a right to convert a debenture into the kind and amount of cash, securities or other property that the holder would have received if the holder had converted debentures immediately before the record date for the transaction. If the transaction also constitutes a "fundamental change", as defined below, a holder can require us to purchase all or a portion of its debentures as described below under " Repurchase of Debentures at the Option of Holders Repurchase of debentures at the option of holders upon a fundamental change".

*Procedures*

The right of conversion attaching to any debenture may be exercised (a) if such debenture is represented by a global security, by book-entry transfer to the conversion agent (which will initially be the trustee) through the facilities of The Depository Trust Company ("DTC"), or (b) if such debenture is represented by a certificated security, by delivery of such debenture at the specified office of the conversion agent, accompanied, in either case, by a duly signed and completed notice of conversion and appropriate endorsements and transfer documents if required by the conversion agent. The conversion date shall be the date on which the debenture and all of the items required for conversion shall have been so delivered and the requirements for conversion have been met.

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No separate payment or adjustment will be made for accrued and unpaid interest on a converted debenture or for dividends or distributions on any of our common stock issued upon conversion of a debenture, except as provided in the indenture. By delivering to the holder the number of shares issuable or cash payable upon conversion together with a cash payment in lieu of any fractional shares, or cash or a combination of cash and shares of our common stock in lieu thereof, we will satisfy our obligation with respect to the conversion of the debentures. That is, accrued interest (including contingent interest and additional interest, if any) will be deemed to be paid in full rather than canceled, extinguished or forfeited. We will not adjust the conversion rate to account for any accrued interest, including contingent interest and additional interest, if any.

If the holder converts after a record date for an interest payment but prior to the corresponding interest payment date, such holder will receive on the interest payment date interest accrued on those debentures, notwithstanding the conversion of debentures prior to the interest payment date, assuming the holder was the holder of record on the corresponding record date. However, each holder agrees, by accepting a debenture, that if the holder surrenders any debentures for conversion during such period, such holder must pay us at the time such holder surrenders its debenture for conversion an amount equal to the interest that has accrued and that will be paid on the debentures being converted on the interest payment date. The preceding sentence does not apply, however, if (1) we have specified a redemption date that is after a record date for an interest payment but prior to the corresponding interest payment date or (2) any overdue interest exists at the time of conversion with respect to the debentures converted but only to the extent of the amount of such overdue interest. Accordingly, under the circumstances described in clause (1), a holder of debentures who chooses to convert those debentures on a date that is after a record date but prior to the corresponding interest payment date will not be required to pay us, at the time that holder surrenders those debentures for conversion, the amount of regularly scheduled interest it will receive on the interest payment date.

Holders of debentures are not required to pay any taxes or duties relating to the issuance or delivery of our common stock upon exercise of conversion rights, but they are required to pay any tax or duty which may be payable relating to any transfer involved in the issuance or delivery of the common stock in a name other than the name of the holder of the debenture. Certificates representing shares of our common stock will be issued or delivered only after all applicable taxes and duties, if any, payable by the holder have been paid.

The debentures will be deemed to have been converted immediately prior to the close of business on the conversion date. Delivery of shares will be accomplished by delivery to the conversion agent of certificates for the relevant number of shares, other than in the case of holders of debentures in book-entry form with DTC, which shares shall be delivered in accordance with DTC customary practices. A holder will not be entitled to any rights as a holder of our common stock, including, among other things, the right to vote and receive dividends and notices of stockholder meetings, until the conversion is effective.

If we elect to settle the principal amount of the debentures or the excess amount (as described below) in common stock only, a certificate for the number of full shares of common stock into which the debentures are converted (and cash in lieu of fractional shares) will be delivered to such holder, assuming all of the other requirements have been satisfied by such holder, as soon as practicable after we issue our notification of our chosen method of settlement, which we must issue on the date that is three trading days following receipt of the conversion notice. If we elect to settle the principal amount of the debentures or the excess amount (as described below) in cash or a combination of cash and common stock, the cash and, if applicable, a certificate for the number of full-shares of common stock into which the debentures are converted (and cash in lieu of fractional shares) will be delivered to such holder, assuming all of the other requirements have been satisfied by such holder and subject to any extension of the cash settlement averaging period described under "Payment Upon Conversion", on the 25<sup>th</sup> trading day following receipt of the conversion notice, unless the holder submits its conversion

notice within 30 trading days prior to maturity, in which case such delivery will take place on the maturity date.

### *Payment Upon Conversion*

In lieu of delivery of shares of our common stock, and pursuant to the procedures described below, we may elect to deliver to holders surrendering debentures either cash or a combination of cash and shares of our common stock. On January 26, 2005, we announced our irrevocable election to settle the principal amount of the debentures in cash when they become convertible and are surrendered by the holders thereof. This notification is irrevocable and legally binding with regard to any conversion of the debentures. As such, the cash conversion settlement election with respect to the principal amount of the debentures remains in force if the debentures cease to be convertible but subsequently become convertible again.

Until the debentures are surrendered for conversion, we will not be required to notify holders of our method for settling the excess amount ("excess amount"), if any, of our conversion obligation relating to the amount of the conversion value (the product of the closing sale price for our common stock on the trading day before the conversion date multiplied by the then current conversion rate) above the principal amount of the debenture ("excess conversion obligation").

*Conversion On or Prior to 31 Trading Days Prior to Maturity.* If we receive a holder's conversion notice on or prior to the day that is 31 trading days prior to the stated maturity of the debentures (the "final notice date"), the following procedures will apply:

Settlement of our conversion obligation relating to the principal amount of the debentures will be according to the principal conversion settlement election we have already made.

We will notify the holder through the trustee, at any time on or before the date that is three trading days following receipt of the holder's conversion notice (the "settlement notice period"), of the method we choose to settle the excess conversion obligation, as applicable. Specifically we will indicate whether settlement of the excess conversion obligation will be 100% in common stock (other than with respect to fractional shares), 100% in cash or in a combination of cash and common stock. If we elect to settle the excess conversion obligation in a combination of cash and common stock, we will specify the percentage of the obligation to be settled in cash. We will treat all holders converting on the same trading day in the same manner. We will not, however, have any obligation to settle the excess conversion obligation arising on different trading days in the same manner. That is, we may choose on one trading day to settle in common stock only and choose on another trading day to settle in cash only or in a combination of common stock and cash.

Settlement of any excess amount solely in common stock (other than with respect to fractional shares) will occur as soon as practicable after we notify the holders that we have chosen this method of settlement. Settlement of any excess amount in cash or in a combination of common stock and cash will occur on the third trading day following the final trading day of the 20-trading day period (the "cash settlement averaging period") beginning on the final trading day of the settlement notice period.

Settlement amounts will be computed as follows:

- (1) With respect to our conversion obligation on the principal amount we will deliver to a holder, for each \$1,000 original principal amount of debentures, cash in an amount equal to \$1,000.

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(2)

With respect to the excess conversion obligation, if any, we will compute the settlement amount based upon either:

(a)

If we elect to satisfy our excess conversion obligation in shares of common stock (other than with respect to fractional shares), we will deliver to a holder the equivalent value of the excess conversion obligation in shares of Quanex common stock. For each \$1,000 original principal amount of debentures, we will deliver the number of shares equal to the quotient of (i) the value of the excess conversion obligation divided by (ii) the volume weighted average price of our common stock during the cash settlement averaging period. The "value of the excess conversion obligation" will be equal to the excess of (A) the product of (1) the applicable conversion rate multiplied by (2) the volume weighted average price of our common stock during the cash settlement averaging period over (B) the \$1,000 original principal amount. The "volume weighted average price" per share of our common stock on any trading day will be the volume weighted average price on the New York Stock Exchange or, if our common stock is not listed on the New York Stock Exchange, on the principal exchange or over-the-counter market on which our common stock is then listed or traded, from 9:30 a.m. to 4:00 p.m. (New York City time) on that trading day as displayed by Bloomberg (Bloomberg key-strokes: NX Equity VAP) (or if such volume weighted average price is not available, the market value of one share on such trading day as we determine in good faith using a volume weighted method).

or

(b)

If we elect to satisfy our excess conversion obligation in cash, we will deliver to a holder, for each \$1,000 original principal amount of debentures, cash in an amount equal to the excess of (A) the product of (1) the applicable conversion rate multiplied by (2) the volume weighted average price of our common stock during the cash settlement averaging period over (B) the \$1,000 original principal amount.

or

(c)

If we elect to satisfy our excess conversion obligation in a combination of cash and common stock, we will deliver to a holder, for each \$1,000 original principal amount of debentures:

a cash amount ("cash amount") (excluding any cash in lieu of fractional shares) equal to the product of (i) the value of the excess conversion obligation multiplied by (ii) the percentage of the excess conversion obligation to be satisfied in cash;

and

a number of shares of common stock equal to (i) the number of shares that would be issued pursuant to paragraph (2)(a) above; minus (ii) the number of shares equal to the quotient of the cash amount divided by the volume weighted average price of our common stock during the cash settlement averaging period.

*Conversion During 30 Trading Days Prior to Maturity.* If we receive a holder's conversion notice after the "final notice date", the following procedures will apply:

Settlement of our conversion obligation relating to the principal amount of the debentures will be according to the principal conversion settlement election we have already made.

We will notify the holder through the trustee of the method we choose to settle the excess conversion obligation in the same manner as set forth above under " Conversion On or Prior

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to 31 Trading Days Prior to Maturity", except that we will settle all of our conversion obligations arising during the 30-trading day period prior to maturity in the same manner.

Settlement of our conversion obligation of the excess amount solely in common stock will occur as soon as practicable after we notify the holder that we have chosen this method of settlement. Settlement of the excess amount, in cash or in a combination of common stock and cash will occur on the third trading day following the final trading day of the cash settlement averaging period described in the next bullet point.

The settlement amount will be computed in the same manner as set forth above under " Conversion On or Prior to 31 Trading Days Prior to Maturity", except that the "cash settlement averaging period" will be the 20-trading day period beginning on the date that is the 23rd trading day prior to the maturity date.

*Extension of Cash Settlement Averaging Period.* If any trading day during a cash settlement averaging period is not an undisrupted trading day, then determination of the price for that day will be delayed until the next undisrupted trading day; that is, such day will not count as one of the 20 trading days that constitute the cash settlement averaging period. If this would result in the cash settlement averaging period extending beyond the eighth trading day after the last of the original 20 trading days in the cash settlement averaging period, then we will determine all prices for all delayed and undetermined prices on that eighth trading day based on our good faith estimate of our common stock's value on that date. In the event that any trading day during the cash settlement averaging period beginning on the date that is the 23rd trading day prior to the maturity date is not an undisrupted trading day, settlement will occur after the maturity date.

An "undisrupted trading day" means a trading day on which our common stock does not experience any of the following during the one-hour period ending at the conclusion of the regular trading day:

- any suspension of or limitation imposed on the trading of our common stock on any national or regional securities exchange or association or over-the-counter market;

- any event (other than an event listed in the third bullet below) that disrupts or impairs the ability of market participants in general to (i) effect transactions in or obtain market values for our common stock on any relevant national or regional securities exchange or association or over-the-counter market or (ii) effect transactions in or obtain market values for, futures or options contracts relating to the common stock on any relevant national or regional securities exchange or association or over-the-counter market; or

- any relevant national or regional securities exchange or association or over-the-counter market on which our common stock trades closes on any exchange trading day prior to its scheduled closing time unless such earlier closing time is announced by the exchange at least one hour prior to the earlier of (i) the actual closing time for the regular trading session on such exchange and (ii) the submission deadline for orders to be entered into the exchange for execution on such trading day,

if, in the case of the first and second bullet points above, we determine that the effect of such suspension, limitation, disruption or impairment is material.

### ***Conversion Rate Adjustments***

We will adjust the conversion rate if any of the following events occur:

- (1) we issue common stock as a dividend or distribution on our common stock;

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- (2) we issue to all holders of our common stock any rights or warrants entitling them for a period of not more than 60 days to subscribe for or purchase shares of our common stock or securities convertible into shares of our common stock, at a price per share or a conversion price per share less than the then current market price per share of our common stock on the trading day immediately preceding the time of announcement of such issuance (other than pursuant to a stockholder rights plan);
- (3) we subdivide or combine our common stock;
- (4) we distribute to all holders of our common stock shares of our capital stock, dividends or other cash distributions payable in respect of our common stock that are not regular cash dividends, evidences of our indebtedness or other assets, including securities of any other person other than Quanex, or rights or warrants to subscribe for or purchase any of our securities but excluding:
- dividends or distributions and rights or warrants referred to in clauses (1) and (2) above; and
- regular cash dividends referred to in clause (5) below;
- (5) we make regular cash dividends to all holders of our common stock in excess of \$0.17 per share in any fiscal quarter; and
- (6) we or any of our subsidiaries make purchases of shares of our common stock pursuant to a tender offer or exchange offer.

Adjustments to the conversion rate resulting from any regular cash dividends on our common stock may not cause the conversion rate (as adjusted for any other adjustment) to exceed the quotient obtained by dividing the principal amount at issuance of a debenture by the last reported closing sale price of our common stock on the cover page of this prospectus.

To the extent that our stockholder rights plan is in effect, upon conversion of the debentures into common stock, the holders will receive, in addition to the common stock, the rights described in our rights plan, whether or not the rights have separated from the common stock at the time of conversion, subject to certain limited exceptions. If we implement a new rights plan, we will be required under the indenture to provide that the holders of debentures will receive the rights upon conversion of the debentures, whether or not these rights were separated from the common stock prior to conversion, subject to certain limited exceptions.

We will not make any adjustment to the conversion rate if holders of debentures may participate in transactions without conversion, or in certain other cases.

We will not be required to make an adjustment in the conversion rate unless the adjustment would require a change of at least 1% in the conversion rate. However, we will carry forward any adjustments that are less than 1% of the conversion rate. Except as described above in this section, we will not adjust the conversion rate.

On August 26, 2004, the Company's Board of Directors authorized an annual dividend increase of \$0.08 per common share outstanding, increasing the annual dividend from \$0.68 to \$0.76, or \$0.02 per quarter. The quarterly cash dividend of \$0.19 per share was paid on September 30, 2004 and December 31, 2004. On December 2, 2004 the Company's Board of Directors declared a three-for-two stock split in the form of a 50% stock dividend, payable on December 31, 2004 to holders of record on December 17, 2004. The conversion rate of 26.1113 shares per \$1,000 principal amount (and corresponding conversion price of approximately \$38.2976 pr share) described herein gives effect to adjustments resulting from the increased cash dividends paid in 2004 and the December 2004 stock split. The increase of the quarterly dividend from \$0.17 to \$0.19 for future quarters is not expected to

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result in an adjustment to the conversion rate in the near future. The Company will monitor the cumulative impact of the dividend increase and will make the necessary notifications should the cumulative adjustments exceed the 1% threshold again in the future.

In the event of:

- any reclassification of our common stock;

- a consolidation, merger, combination or binding share exchange involving Quanex; or

- a transfer or lease of all or substantially all of the assets of Quanex,

under which our common stock is converted into cash, securities or other property, then at the effective time of the transaction, the right to convert a debenture into our common stock will be changed into a right to convert a debenture into the kind and amount of cash, securities or other property that the holder would have received if the holder had converted debentures immediately before the record date for the transaction.

To the extent permitted by law, we may, from time to time, increase the conversion rate for a period of at least 20 days if our board of directors has made a determination that this increase would be in our best interest or to avoid or diminish income tax to holders of our common stock in connection with a dividend or distribution of stock or similar event. Any such determination by our board will be conclusive. We would give holders at least 15 days' notice of any increase in the conversion rate.

A holder may, in some circumstances, including the distribution of cash dividends to stockholders, be deemed to have received a distribution or dividend subject to United States federal income tax as a result of an adjustment or the nonoccurrence of an adjustment to the conversion rate. See "Material U.S. Federal Income Tax Considerations Tax Consequences to United States Holders Constructive Dividends" and "Tax Consequences to Non-United States Holders Distributions on Common Stock".

### Optional Redemption

Prior to May 15, 2011, the debentures will not be redeemable at our option. On or after May 15, 2011, we may redeem the debentures in cash at any time as a whole or in part, at a redemption price in cash equal to 100% of the principal amount of the debentures to be redeemed plus accrued and unpaid interest (including contingent interest and additional interest, if any) to, but not including, the redemption date.

We will give at least 30 days' but not more than 60 days' notice of redemption by mail to holders of debentures. Debentures or portions of debentures called for redemption are convertible by the holder until the close of business on the business day prior to the redemption date.

If we do not redeem all of the debentures, the trustee will select the debentures to be redeemed in principal amounts of \$1,000 or multiples thereof by lot, on a pro rata basis or by any other method the trustee considers fair and appropriate. If any debentures are to be redeemed in part only, we will issue a new debenture or debentures with a principal amount equal to the unredeemed principal portion thereof. If a portion of a holder's debentures is selected for partial redemption and the holder converts a portion of its debentures, the converted portion will be deemed to be taken from the portion selected for redemption.

If the paying agent holds cash sufficient to pay the redemption price of the debentures for which a redemption notice has been delivered on the redemption date in accordance with the terms of the indenture, then, immediately after the redemption date, the debentures will cease to be outstanding and interest (including contingent interest and additional interest, if any) on such debentures shall









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we consolidate with, or merge with or into, another person or we sell, assign, convey, transfer, lease or otherwise dispose of all or substantially all of our assets, or any person consolidates with, or merges with or into, us, in any such event other than pursuant to a transaction in which the persons that "beneficially owned" directly or indirectly, the shares of our voting











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impair the right to institute suit for the enforcement of any payment on, or with respect to, any debenture;

modify the provisions with respect to the purchase rights of the holders upon the events described under " Repurchase of Debentures at the Option of Holders Optional put" and " Repurchase of Debentures at the Option of Holders Repurchase of debentures at the option of holders upon a fundamental change" in a manner adverse to holders;















**Anti-Takeover Effects of Our Restated Certificate of Incorporation and Bylaws**

In addition, our Restated Certificate of Incorporation provides that certain corporate actions require an affirmative vote of holders of at least 80% of the voting power of the then outstanding capital stock entitled to vote generally in the election of directors. These actions include:

the adoption of any agreement for, or approval of, the merger or consolidation of the Company or any subsidiary with or into any other person (as therein defined);

the authorization of any sale, lease, transfer, exchange, mortgage, pledge or other disposition of all or substantially all of the assets of the Company or any subsidiary; or

the authorization of certain issuances or transfers by the Company or any subsidiary of any voting securities of the Company or any subsidiary to a 5% beneficial owner of the Company in exchange or payment for the securities or assets of any other person.

Our Restated Certificate of Incorporation also provides that stockholders may act only at an annual or special meeting of stockholders and not by written consent except under certain circumstances. Our Bylaws provide that special meetings of the stockholders can be called only by the President or Secretary, and then only at the written request of at least a majority of the directors. These provisions could have the effect of delaying until the next annual stockholders meeting stockholder actions that are favored by the holders of a majority of the outstanding voting securities. These provisions may also discourage another person or entity from making an offer to stockholders for the common stock. This is because the person or entity making the offer, even if it acquired a majority of our outstanding voting securities, might be unable to call a special meeting of the stockholders and might be unable to obtain unanimous written consent of the stockholders. As a result, any meeting as to matters they endorse, including the election of new directors or the appraisal of a merger, might have to wait for the next duly called stockholders meeting.

**Transfer Agent and Registrar**

The transfer agent and registrar for our common stock is Wells Fargo Bank, N.A.









be required to include in income in the taxable year and (ii) to the extent of any excess, give rise to an ordinary loss equal to that portion of such excess that does not exceed the excess of (A) the amount of all previous interest inclusions under the debenture over (B) the total amount of the United States Holder's net negative adjustments treated as ordinary loss on the debenture in prior taxable years. Any negative adjustment in excess of the amounts described in (i) and (ii) will be carried forward to offset future interest income in respect of the debentures or, if there is a negative adjustment carryforward on the debenture in a taxable year in which the debenture is sold, converted, exchanged, redeemed or retired, to reduce the amount realized on a sale, conversion, exchange, redemption or retirement of the debentures. A net negative adjustment is not subject to the two percent floor limitation imposed on miscellaneous deductions under Section 67 of the Code.

Amounts treated as interest under the contingent payment debt regulations are treated as original issue discount for all purposes of the Code.

*Debentures Purchased at a Price other than the Adjusted Issue Price*

If a United States Holder purchases a debenture for an amount that differs from the adjusted issue price of the debentures at the time of the purchase, such holder will be required to accrue interest income on the debenture in accordance with the projected payment schedule based on the comparable yield even if market conditions have changed since the date of issuance. The normal rules for accruing bond premium, acquisition premium and market discount will not apply; instead, a United States Holder must reasonably determine whether the difference between the purchase price for a debenture and the adjusted issue price of such debenture is attributable to a change in expectations as to the contingent amounts potentially payable in respect of the debentures, a change in interest rates since the debentures were issued, or both, and allocate reasonably the difference according to such determination. To the extent that the difference between purchase price and adjusted issue price is attributable to a change in interest rates, it must be allocated reasonably to the daily portions of interest over the remaining term of the debentures. To the extent that such difference is attributable to a change in expectations as to the contingent amounts payable in respect of the debentures, it must be allocated reasonably to the contingent payments based on the projected payment schedule.

If the purchase price of a debenture is less than its adjusted issue price, the amount of the difference is treated as a positive adjustment on the date the daily portion of interest accrues or the contingent payment is made (depending on how such difference was allocated, as discussed in the preceding paragraph). This positive adjustment will increase (a) the amount of interest (including with respect to contingent payments) that the United States Holder otherwise would accrue and include in income each year or (b) the amount of ordinary income (or decrease the amount of ordinary loss) recognized upon redemption or maturity, or both. If the purchase price of a debenture is more than its adjusted issue price, the amount of the difference is treated as a negative adjustment on the date the daily portion of interest accrues or the contingent payment is made (depending on how such difference was allocated, as discussed above). This negative adjustment will decrease (a) the amount of interest (including with respect to contingent payments) that the United States Holder must include in income each year or (b) the amount of ordinary income (or increase the amount of ordinary loss) recognized upon redemption or maturity, or both. Any positive or negative adjustment that a United States Holder is required to make during its holding period as a result of purchasing a debenture at a price other than the debenture's adjusted issue price will increase or decrease, respectively, such holder's tax basis in the debenture.

Certain United States Holders will receive Form 1099-OID reporting interest accruals on their debentures. Those forms will not, however, reflect the effect of any positive or negative adjustments resulting from a United States Holder's purchase of a debenture at a price that differs from its adjusted issue price on the date of purchase. **United States Holders are urged to consult their tax**

















### **LEGAL MATTERS**

The validity of the debentures offered hereby and of the shares of common stock issuable upon the conversion thereof and certain other legal matters will be passed upon for us by Fulbright & Jaworski L.L.P., Houston, Texas. Michael W. Conlon, a partner in the firm of Fulbright & Jaworski L.L.P., is the Assistant Secretary of the Company.

### **EXPERTS**

The consolidated financial statements and related financial statement schedule incorporated in this Prospectus by reference from Quanex's Annual Report on Form 10-K/A have been audited by Deloitte & Touche LLP, an independent registered public accounting firm, as stated in their report which is incorporated herein by reference, and have been so incorporated in reliance upon the report of such firm given upon their authority as experts in accounting and auditing.

















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- 4.5 Consent and First Amendment to Revolving Credit Agreement dated December 19, 2003, by and among Quanex Corporation, the financial institutions from time to time signatory thereto and Comerica Bank, as agent for the banks filed as Exhibit 4.5 to the Registrant's Annual Report on Form 10-K (Reg. No. 001-05725) dated October 31, 2003. Certain schedules and exhibits to this Consent and First Amendment to Revolving Credit Agreement have not been filed with this exhibit. The Company agrees to furnish supplementally any omitted schedule or exhibit to the SEC upon request.
- 4.6 Waiver and Second Amendment to Revolving Credit Agreement dated March 11, 2004, by and among Quanex Corporation, the financial institutions from time to time signatory thereto and Comerica Bank, as agent for the banks filed as Exhibit 4.6 to the Registrant's Quarterly Report on Form 10-Q (Reg. No. 001-05725) dated January 31, 2004.
- 4.7 Form of Consent to Requested Extension to Revolving Credit Maturity Date under the Quanex Corporation Revolving Credit Agreement dated April 7, 2004 filed as Exhibit 4.7 to the Registrant's Quarterly Report on Form 10-Q (Reg. No. 001-05725) dated April 30, 2004.
- 4.8 Form of Consent and Third Amendment to Revolving Credit Agreement dated April 9, 2004, by and among Quanex Corporation, the financial institutions from time to time signatory thereto and Comerica Bank, as agent for the banks filed as Exhibit 4.8 to the Registrant's Quarterly Report on Form 10-Q (Reg. No. 001-05725) dated April 30, 2004.
- 4.9 Form of Consent and Fourth Amendment to Revolving Credit Agreement dated November 18, 2004, by and among Quanex Corporation, the financial institutions from time to time signatory thereto and Comerica Bank, as agent for the banks, filed as Exhibit 4.11 to the Registrant's Annual Report on Form 10-K (Reg. No. 001-05725) dated October 31, 2004.
- 4.10 Indenture dated as of May 5, 2004 between Quanex Corporation and Union Bank of California, N.A., as trustee filed as Exhibit 4.9 to the Registrant's Quarterly Report on Form 10-Q (Reg. No. 001-05725) dated April 30, 2004.
- 4.11 Registration Rights Agreement dated as of May 5, 2004 among Quanex Corporation, Credit Suisse First Boston LLC, Bear, Stearns & Co. Inc., Robert W. Baird & Co. Incorporated, and KeyBanc Capital Markets, A Division of McDonald Investments Inc., filed as Exhibit 4.10 to the Registrant's Quarterly Report on Form 10-Q (Reg. No. 001-05725) dated April 30, 2004.
- 4.12 Fifth Amendment to Revolving Credit Agreement dated March 11, 2005, by and among Quanex Corporation, the financial institutions from time to time signatory thereto and Comerica Bank, as agent for the banks, filed as Exhibit 4.12 to the Registrant's Quarterly Report on Form 10-Q (Reg. No. 001-05725) dated January 31, 2005.
- 4.13 Supplemental Indenture dated as of January 25, 2005 by and between the Company and Union Bank of California, N.A., as trustee, to the indenture governing the Company's 2.50% Convertible Senior Debentures due May 15, 2034, filed as exhibit 99.1 to the Registrant's Current Report on Form 8-K (Reg. No. 001-05725) dated January 26, 2005, and incorporated herein by reference.
- 5.1 Opinion of Fulbright & Jaworski L.L.P. regarding the legality of the securities to be offered hereby (filed as Exhibit 5.1 to Amendment No. 2 to this Registration Statement on October 26, 2004 and incorporated herein by reference).
- 8.1 Opinion of Fulbright & Jaworski L.L.P. regarding tax matters (filed as Exhibit 8.1 to Amendment No. 2 to this Registration Statement on October 26, 2004 and incorporated herein by reference).

