

Rubicon Technology, Inc.
Form S-3
November 25, 2013
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As filed with the Securities and Exchange Commission on November 25, 2013

Registration No. 333-_____

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

FORM S-3
REGISTRATION STATEMENT
UNDER
THE SECURITIES ACT OF 1933

Rubicon Technology, Inc.
(Exact name of Registrant as specified in its charter)

Delaware
(State or other jurisdiction of
incorporation or organization)

36-4419301
(I.R.S. Employer
Identification No.)

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900 East Green Street

Bensenville, Illinois 60106

(847) 295-7000 60131

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

Raja M. Parvez

President and Chief Executive Officer

900 East Green Street

Bensenville, Illinois 60106

(847) 295-7000

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

With copies to:

Matthew F. Bergmann

Karen A. Weber

Winston & Strawn LLP

35 West Wacker Drive

Chicago, Illinois 60601

(312) 558-5600

Approximate date of commencement of proposed sale to the public: From time to time after the effective date of this Registration Statement.

If the only securities being registered on this form are being offered pursuant to dividend or interest reinvestment plans, 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 a post-effective amendment filed pursuant to Rule 462(b) 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 this Form is a registration statement pursuant to General Instruction I.D. or a post-effective amendment thereto that shall become effective upon filing with the Commission pursuant to Rule 462(e) under the Securities Act, check the following box.

If this Form is a post-effective amendment to a registration statement filed pursuant General Instruction I.D. filed in register additional securities or additional classes of securities pursuant to Rule 413(b) under the Securities Act. check the following box.

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer or a smaller reporting company. See definitions of large accelerated filer, accelerated filer, and smaller reporting company in Rule 12b-2 of the Exchange Act. (Check one):

Large accelerated filer Accelerated filer
 Non-accelerated filer (Do not check if a smaller reporting company) Smaller reporting company

CALCULATION OF REGISTRATION FEE

| Title of Each Class of Securities | Amount to be Registered (1) | Proposed Maximum Offering Price Per Unit (2) | Proposed Maximum Aggregate Offering Price (2) | Amount of Registration fee (2) |
|--|------------------------------------|---|--|---------------------------------------|
| Common Stock-Secondary Offering | \$40,000,000 | | \$40,000,000(1) | |
| Common Stock-Primary Offering | | | | |
| Preferred Stock | | | | |
| Debt Securities | | | | |
| Warrants | | | | |
| Total | \$100,000,000 | 100% | \$100,000,000(1) | \$12,880 |

- (1) An indeterminate number or principal amount of shares of common stock, shares of preferred stock, debt securities or warrants may be issued from time to time at indeterminate prices, with an aggregate offering price not to exceed \$100,000,000, of which up to \$60,000,000 may be offered by the Registrant in primary offerings and up to \$40,000,000 may be offered by selling stockholders in secondary offerings. If any securities are issued in a currency or composite currency other than U.S. dollars, such different amount as shall result in an aggregate initial offering price of \$100,000,000. For debt securities issued with an original issue discount, the amount to be registered is calculated as the initial accreted value of such debt securities.
- (2) The proposed maximum aggregate offering price has been estimated solely for purposes of calculating the registration fee pursuant to Rule 457(o) under the Securities Act and reflects the maximum offering price of securities that may be issued, rather than the principal amount of securities that may be issued at a discount.

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 this Registration Statement shall become effective on such date as the Commission, acting pursuant to said Section 8(a), may determine.

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The information in this prospectus is not complete and may be changed. We may not sell these securities until the registration statement filed with the Securities and Exchange Commission is effective. This prospectus is not an offer to sell these securities and it is not soliciting an offer to buy these securities in any state where the offer or sale is not permitted.

Subject to Completion, Dated November 25, 2013

PROSPECTUS

\$60,000,000 by Rubicon Technology, Inc.

Common Stock

Preferred Stock

Debt Securities

Warrants

\$40,000,000 of Common Stock by Selling Stockholders

This prospectus is part of a shelf registration statement. Under this shelf registration statement, we may offer from time to time up to \$60,000,000 of any of the following securities, either separately or in units:

common stock;

preferred stock;

debt securities; and

warrants.

The Selling Stockholders may offer and sell, from time to time, up to \$40,000,000 of common stock.

When we use the term "securities" in this prospectus, we mean any of the securities we or the Selling Stockholders may offer with this prospectus, unless we say otherwise.

If any securities are to be listed or quoted on a securities exchange or quotation system, our prospectus supplement will say so. Our common stock is listed on the NASDAQ Global Market and trades under the symbol RBCN.

This prospectus describes some of the general terms that may apply to these securities and the general manner in which they may be offered. The specific terms of any securities to be offered, and the specific manner in which they may be offered, will be described in a supplement to this prospectus or incorporated into this prospectus by reference. You should read this prospectus and any supplement carefully before you invest.

Investing in the securities involves risks. See the section entitled Risk Factors beginning on page 12 of our Annual Report on Form 10-K for the year ended December 31, 2012 incorporated by reference into this prospectus and, if applicable, any risk factors described in any accompanying prospectus supplement.

Neither the Securities and Exchange Commission 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.

When we issue new securities, we may offer them for sale to or through underwriters, dealers and agents or directly to purchasers. Your prospectus supplement will include any required information about the firms we use and the discounts or commissions we may pay them for their services.

The date of this prospectus is _____, 2013.

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You should rely only on the information contained in this prospectus or any prospectus supplement, and in other offering material, if any, or information contained in documents which you are referred to by this prospectus or any prospectus supplement, or in other offering material, if any. We have not authorized anyone to provide you with different information. We are offering to sell the securities only in jurisdictions where offers and sales are permitted. The information contained or incorporated by reference in this prospectus or any prospectus supplement or other offering material is accurate only as of the date on the front of those documents, regardless of the time of delivery of those documents or any sale of the securities.

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FORWARD-LOOKING STATEMENTS

From time to time, we and our representatives may provide information, whether orally or in writing, which are deemed to be forward-looking within the meaning of the Private Securities Litigation Reform Act of 1995. These statements may be identified by the use of forward-looking terminology such as anticipate, believe, continue, could, estimate, expect, intend, may, might, plan, potential, predict, should or the negative thereof or other or comparable terminology. All statements contained or incorporated in this prospectus which address operating performance, events or developments that we expect or anticipate may occur in the future, including statements related to statements about our expectations, beliefs, plans, objectives, assumptions or future events or performance, are forward-looking statements. These forward-looking statements and other information are based on our beliefs as well as assumptions made by us using information currently available. Such forward-looking statements, because they relate to future events, are by their very nature subject to many important factors that could cause actual results to differ materially from those contemplated by the forward-looking statements contained in this prospectus or any prospectus supplement.

Information regarding important factors that could cause actual results to differ, perhaps materially, from those in the Company's forward-looking statements is contained in the Company's Annual Report on Form 10-K for the year ended December 31, 2012, which is incorporated into this prospectus by reference and, if applicable, any risk factors described in the accompanying prospectus supplement. See *Where You Can Find More Information* below for information about how to obtain a copy of this annual report.

No dealer, salesperson or other person is authorized to give any information or to represent anything not contained in this prospectus. You must not rely on any unauthorized information or representations. This prospectus is an offer to sell only the securities it describes, but only under circumstances and in jurisdictions where it is lawful to do so. The information contained in this prospectus is current only as of its date.

ABOUT THIS PROSPECTUS

This prospectus is part of a registration statement on Form S-3 that we filed with the Securities and Exchange Commission (the SEC). By using a shelf registration statement, we may sell, at any time and from time to time, in one or more offerings, any combination of the securities described in this prospectus up to a total dollar amount of \$60,000,000. In addition, the selling stockholders described in this prospectus may offer and sell, at any time and from time to time, in one or more offerings, up to a total dollar amount of \$40,000,000 of shares of common stock.

This prospectus provides you with only a general description of the securities we and the selling stockholders may offer. It is not meant to be a complete description of any security. Each time we or the selling stockholders sell securities, we will provide a prospectus supplement that will contain specific information about the terms of that offering, including the specific amounts, prices and terms of the securities offered. We and any underwriter or agent that we or the selling stockholders may from time to time retain may also provide other information relating to an offering, which we refer to as other offering material. The prospectus supplement as well as the other offering material may also add, update or change information contained in this prospectus or in the documents we have incorporated by reference into this prospectus. You should read this prospectus, any prospectus supplement and any other offering material (including any free writing prospectus) prepared by or on behalf of us for a specific offering of securities, together with additional information described in the section entitled *Where You Can Find More Information* and any other offering material. Throughout this prospectus, where we indicate that information may be supplemented in an applicable prospectus supplement or supplements, that information may also be supplemented in other offering material. If there is any inconsistency between this prospectus and the information contained in a prospectus supplement, you should rely on the information in the prospectus supplement.

Unless we state otherwise or the context otherwise requires, references to Rubicon, Company, us, we or our in this prospectus mean Rubicon Technology, Inc., and do not include the consolidated subsidiaries of Rubicon Technology, Inc. When we refer to you in this section, we mean all purchasers of the securities being offered by this prospectus, whether they are the holders or only indirect owners of those securities.

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ABOUT RUBICON TECHNOLOGY, INC.

OUR BUSINESS

We are an advanced electronic materials provider that develops, manufactures and sells monocrystalline sapphire and other innovative crystalline products for light-emitting diodes (LEDs), radio frequency integrated circuits (RFICs), blue laser diodes, optoelectronics and other optical applications. The emergence of sapphire in commercial volumes at competitive prices has enabled the development of new technologies such as high brightness (HB) white, blue and green LEDs and highly-integrated RFICs. We apply our proprietary crystal growth technology to produce high-quality sapphire products efficiently to supply our end-markets, and we work closely with our customers to meet their quality and delivery needs. We believe we are the leading supplier of sapphire products to the LED industry.

We are a vertically integrated manufacturer of high-quality sapphire substrates and optical windows that are used in a variety of high-growth, high-volume end market applications. During 2011 and 2012, our largest sales of product were six-inch polished sapphire wafers (substrates) for use in LED applications and in Silicon-on-Sapphire (SoS) RFICs. Two through four-inch diameter sapphire cores were our second largest product sales category during 2011 and 2012, and comprised the majority of our sales prior to 2011. Cores are sold to sapphire polishers who make wafers for use in LEDs and blue laser diodes. We also sell sapphire products used for windows and lenses in military, aerospace, sensor and other applications. We have extended our technology, giving us the ability to produce cores and wafers of up to twelve inches in diameter to support next generation LED and RFIC production.

We believe that LED production is following a similar path to that of production of integrated circuits on silicon substrates, which gradually migrated to production on increasingly larger substrates in order to reduce manufacturing costs. We feel that this migration to larger substrates and the related efficiency gains will help reduce the prices of LED devices and thereby facilitate greater adoption of LED technology in the backlighting and general lighting markets.

Our fully integrated in-house capabilities enable us to maintain our high-quality standards while controlling costs. We design, assemble and maintain our own proprietary crystal growth furnaces to grow high-purity, low-stress, ultra-low-defect-density sapphire crystals. In addition, we possess state-of-the-art capabilities in high-precision core drilling, wafer slicing, surface lapping, edge bevel grinding and wafer cleaning processes. We have recently extended our vertical integration by introducing a patented sapphire substrate for the LED market. We foster a strong sense of innovation and agility in our product development teams in an attempt to develop new products more effectively and to rapidly capture market growth.

We plan to leverage our technological advantage in efficiently producing high-quality, large-diameter sapphire products to maintain our leadership position and capitalize on future growth opportunities. To attain this goal, we are investing in research and development activities, continuing to enhance our operational capabilities, increasing our brand recognition and diversifying into new market segments.

We are a Delaware corporation incorporated on February 7, 2001. Our common stock is listed on the NASDAQ Global Market under the symbol RBCN. Our principal executive offices are located at 900 East Green Street, Bensenville, Illinois 60106. The telephone number at our principal executive offices is (847) 295-7000. Our website address is www.rubicontechnology.com. Information contained on our website is not incorporated by reference into this prospectus, and you should not consider information contained on our website to form any part of this prospectus.

CONSOLIDATED RATIO OF EARNINGS TO FIXED CHARGES

Our consolidated ratio of earnings to fixed charges for each of the five most recently completed fiscal years and any required interim periods will be specified in a prospectus supplement or in a document that we file with the SEC and incorporate by reference pertaining to the issuance, if any, by us of debt securities in the future.

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RISK FACTORS

Investing in our securities involves risk. Please carefully consider the risk factors described in our periodic reports filed with the SEC, which are incorporated by reference in this prospectus, as well as any prospectus supplement relating to a specific security. Before making any investment decision, you should carefully consider these risks as well as other information we include or incorporate by reference in this prospectus or in any applicable prospectus supplement. These risks could materially affect our business, results of operation or financial condition and affect the value of our securities. You could lose all or part of your investment. Additional risks and uncertainties not presently known to us or that we currently deem immaterial may also affect our business, results of operation or financial condition.

USE OF PROCEEDS

Unless otherwise indicated in any prospectus supplement, we intend to use the net proceeds from the sale of securities from a primary offering by us for working capital and other general corporate purposes. We will have significant discretion in the use of any net proceeds. General corporate purposes may include repayment of debt, investments in or extensions of credit to our subsidiaries, repurchases of common stock, capital expenditures and the financing of possible acquisitions or business expansions. The net proceeds from the sale of securities from a primary offering by us may be invested temporarily or applied to repay short-term obligations until they are used for their stated purpose.

We will not receive any proceeds from any sale of shares of common stock by the Selling Stockholders.

DESCRIPTION OF SECURITIES WE MAY OFFER

This prospectus is part of a shelf registration statement. Under this shelf registration statement, we may offer from time to time up to \$60,000,000 of any of the following securities, either separately or in units:

common stock;

preferred stock;

debt securities; and

warrants.

Under this shelf registration statement, the Selling Stockholders may offer and sell, from time to time, up to \$40,000,000 of common stock.

DESCRIPTION OF CAPITAL STOCK

GENERAL

As of the date hereof, our authorized capital stock consists of 45.0 million shares of common stock, par value \$0.001 per share, and 5.0 million shares of undesignated preferred stock, par value \$0.001 per share. The following

description of our capital stock is intended as a summary only and is qualified in its entirety by reference to our amended and restated certificate of incorporation and amended and restated bylaws, which are filed as exhibits to the registration statement of which this prospectus is a part. We refer in this section to our amended and restated certificate of incorporation as our certificate of incorporation, and we refer to our amended and restated bylaws as our bylaws.

As of November 13, 2013, we had 24,433,523 shares of our common stock outstanding, of which 1,774,844 shares were held as treasury shares, options to purchase 286,006 shares of our common stock under our 2001 Equity Plan, all of which were exercisable, options to purchase 1,648,385 shares of our common stock under our 2007 Stock Incentive Plan, 1,212,219 of which were exercisable, restricted stock units of 45,941 under our 2007 Stock Incentive Plan, none of which were vested, and warrants to purchase 267,826 shares of our common stock, all of which were exercisable.

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COMMON STOCK

As of November 13, 2013, there were 24,433,523 shares of our common stock outstanding, of which 1,774,844 shares were held as treasury shares. As of November 13, 2013, there were 29 holders of our common stock.

Holder of our common stock are entitled to one vote for each share of common stock held of record for the election of directors and on all matters submitted to a vote of stockholders. Holders of our common stock are entitled to receive dividends ratably, if any, as may be declared by our board of directors from time to time, subject to any preferential dividend rights of any preferred stock then outstanding. Upon our liquidation, dissolution, distribution of assets or winding up, holders of our common stock are entitled to share ratably in our remaining assets legally available after the payment of all our debts and other liabilities, subject to the preferential rights of any preferred stock then outstanding. Holders of our common stock have no preemptive, subscription, redemption or conversion rights. The rights, preferences and privileges of holders of our common stock are subject to, and may be adversely affected by, the rights of the holders of shares of any series of preferred stock that we may designate and issue in the future. Except as described below in Anti-takeover effects of Delaware law and provisions of our certificate of incorporation and bylaws, a majority vote of our common stockholders is generally required to take action under our certificate of incorporation and bylaws.

All outstanding shares of our common stock are fully paid and nonassessable.

PREFERRED STOCK

Our board of directors is authorized, without action by the stockholders, to designate and issue up to 5.0 million shares of preferred stock in one or more series. Our board of directors can fix the rights, preferences and privileges of the shares of each series and any of its qualifications, limitations or restrictions. The issuance of preferred stock with voting or conversion rights may adversely affect the voting power or other rights of the holders of our common stock. The issuance of preferred stock, while providing flexibility in connection with possible future financings and acquisitions and other corporate purposes, could, under certain circumstances, have the effect of delaying, deferring or preventing a change in control and could harm the market price of our common stock.

Our board of directors will make any determination to issue such shares based on its judgment as to our best interests and the best interests of our stockholders. We have no current plans to issue any shares of preferred stock.

OPTIONS

As of November 13, 2013, we had outstanding options to purchase 286,006 shares of common stock under our 2001 Equity Plan, all of which were exercisable. These options have an average exercise price of \$7.70. As of November 13, 2013, we had outstanding options to purchase 1,648,385 shares of common stock under our 2007 Stock Incentive Plan, 1,212,219 of which were exercisable. These options have an average exercise price of \$13.33.

RESTRICTED STOCK UNITS

As of November 13, 2013 we had outstanding restricted stock units of 45,941 under our 2007 Stock Incentive Plan, none of which were vested. Each restricted stock unit represents the right to receive one share of common stock upon satisfaction of vesting conditions.

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As of November 13, 2013, the following warrants were outstanding:

| Type of warrant | Number of shares of common stock issuable upon exercise of warrant | Exercise price per share of common stock | Expiration |
|------------------------|---|---|-------------------|
| Common Stock | 243,446 | \$ 3.65 | 12/15/2015 |
| Common Stock | 24,380 | \$ 3.65 | 1/27/2016 |

ANTI-TAKEOVER EFFECTS OF DELAWARE LAW AND PROVISIONS OF OUR CERTIFICATE OF INCORPORATION AND BYLAWS

Certificate of incorporation and bylaw provisions

Our certificate of incorporation and bylaws include a number of provisions that may have the effect of delaying, deferring or preventing another party from acquiring control of us and encouraging persons considering unsolicited tender offers or other unilateral takeover proposals to negotiate with our board of directors rather than pursue non-negotiated takeover attempts. These provisions include the items described below.

Board composition and filling vacancies. Our board is divided into three classes serving staggered three-year terms, with one class being elected each year. Directors may be removed only for cause and then only by the affirmative vote of the holders of 75% or more of the shares then entitled to vote at an election of directors. Furthermore, any vacancy on our board of directors, however occurring, including a vacancy resulting from an increase in the size of our board, may only be filled by the affirmative vote of a majority of our directors then in office even if less than a quorum. The classification of our board of directors and the limitations on the removal of directors and filling of vacancies could make it more difficult for a third party to acquire, or discourage a third party from seeking to acquire, control of our company.

No written consent of stockholders. All stockholder actions must be taken by a vote of the stockholders at an annual or special meeting, and stockholders may not take any action by written consent in lieu of a meeting. This limit may lengthen the amount of time required to take stockholder actions and would prevent the amendment of our bylaws or removal of directors by our stockholders without holding a meeting of stockholders.

Meetings of stockholders. Only a majority of the members of our board of directors then in office may call special meetings of stockholders and only those matters set forth in the notice of the special meeting may be considered or acted upon at a special meeting of stockholders. Our bylaws limit the business that may be conducted at an annual meeting of stockholders to those matters properly brought before the meeting.

Advance notice requirements. Our bylaws establish advance notice procedures with regard to stockholder proposals relating to the nomination of candidates for election as directors or new business to be brought before meetings of our stockholders. These provisions may have the effect of precluding the conduct of certain business at a meeting if proper procedures are not followed.

Amendment to certificate of incorporation and bylaws. As required by the Delaware General Corporation Law, any amendment of our certificate of incorporation must first be approved by a majority of our board of directors, and if required by law or our certificate of incorporation, must thereafter be approved by a majority of the outstanding shares entitled to vote on the amendment and a majority of the outstanding shares of each class entitled to vote thereon as a class, except that the amendment of the provisions relating to stockholder action, board composition and the filling of vacancies, limitation of liability and the amendment of our certificate of incorporation must be approved by not less than 75% of the outstanding shares entitled to vote on the amendment, and not less than 75% of the outstanding shares of each class entitled to vote thereon as a class. Our bylaws may be amended by the affirmative vote of a majority of the directors then in office, subject to any limitations set forth in the bylaws, and may also be amended by the affirmative vote of at least 75% of the outstanding shares entitled to vote on the amendment, or, if our board of directors recommends that the stockholders approve the amendment, by the affirmative vote of the majority of the outstanding shares entitled to vote on the amendment, in each case voting together as a single class.

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Undesignated preferred stock. Our certificate of incorporation provides for 5.0 million authorized shares of preferred stock. The existence of authorized but unissued shares of preferred stock may enable our board of directors to impede an attempt to obtain control of us by means of a merger, tender offer, proxy contest or otherwise. Our certificate of incorporation grants our board of directors broad power to establish the rights and preferences of authorized and unissued shares of preferred stock. The issuance of shares of preferred stock could decrease the amount of earnings and assets available for distribution to holders of shares of our common stock. The issuance may also adversely affect the rights and powers, including voting rights, of these holders and may have the effect of delaying, deterring or preventing a change in control of us.

Delaware law

We are subject to Section 203 of the Delaware General Corporation Law, an anti-takeover provision. In general, the provision prohibits a publicly-held Delaware corporation from engaging in a business combination with an interested stockholder for a period of three years after the date of the transaction in which the person became an interested stockholder. A business combination includes a merger, sale of 10% or more of our assets and certain other transactions resulting in a financial benefit to the stockholder. For purposes of Section 203, an interested stockholder is defined to include any person that is:

the owner of 15% or more of the outstanding voting stock of the corporation;

an affiliate or associate of the corporation and was the owner of 15% or more of the outstanding voting stock of the corporation, at any time within three years immediately prior to the relevant date; or

an affiliate or associate of any person described above.

However, the above provisions of Section 203 do not apply if:

our board of directors approves the transaction that made the stockholder an interested stockholder before the date of that transaction; or

after the completion of the transaction that resulted in the stockholder becoming an interested stockholder, that stockholder owned at least 85% of our voting stock outstanding at the time the transaction commenced, excluding shares owned by our officers and directors; or

on or subsequent to the date of the transaction, the business combination is approved by our board of directors and authorized at a meeting of our stockholders by an affirmative vote of at least two-thirds of the outstanding voting stock not owned by the interested stockholder.

Stockholders may, by adopting an amendment to the corporation's certificate of incorporation or bylaws, elect for the corporation not to be governed by Section 203, effective 12 months after adoption. Neither our certificate of incorporation nor our bylaws exempt us from the restrictions imposed under Section 203. It is anticipated that the provisions of Section 203 may encourage companies interested in acquiring us to negotiate in advance with our board

of directors.

NASDAQ GLOBAL MARKET LISTING

Our common stock is listed on the NASDAQ Global Market under the trading symbol RBCN.

TRANSFER AGENT AND REGISTRAR

The transfer agent and registrar for our common stock is American Stock Transfer & Trust Company.

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LIMITATION OF LIABILITY OF DIRECTORS

Our certificate of incorporation contains a provision that limits the liability of our directors for monetary damages for breach of fiduciary duty as a director to the fullest extent permitted by the Delaware General Corporation Law. Such limitation does not, however, affect the liability of a director (1) for any breach of the director's duty of loyalty to us or our stockholders, (2) for acts or omissions not in good faith or that involve intentional misconduct or a knowing violation of law, (3) in respect of certain unlawful dividend payments or stock redemptions or purchases and (4) for any transaction from which the director derives an improper personal benefit. The effect of this provision is to eliminate our rights and the rights of our stockholders (through stockholders' derivative suits) to recover monetary damages against a director for breach of the fiduciary duty of care as a director (including breaches resulting from negligent or grossly negligent behavior) except in the situations described in clauses (1) through (4) above. This provision does not limit or eliminate our rights or the rights of our stockholders to seek non-monetary relief such as an injunction or rescission in the event of a breach of a director's duty of care. In addition, our directors and officers have indemnification protection.

DESCRIPTION OF DEBT SECURITIES

The following description, together with the additional information we may include in any applicable prospectus supplements and in any related free writing prospectuses, summarizes the material terms and provisions of the debt securities that we may offer under this prospectus. While the terms summarized below will apply generally to any debt securities that we may offer, we will describe the particular terms of any debt securities in more detail in the applicable prospectus supplement. The terms of any debt securities offered under a prospectus supplement may differ from the terms described below.

We may issue debt securities from time to time in one or more distinct series under the applicable indenture that is filed as an exhibit to the registration statement of which this prospectus forms a part. The terms of the debt securities will include those stated in the applicable indenture and those made part of the applicable indenture by reference to the Trust Indenture Act of 1939, as amended, or the Trust Indenture Act. If we issue debt securities pursuant to an indenture, in the applicable prospectus supplement we will specify the trustee under such indenture. We will include in a supplement to this prospectus the specific terms of debt securities being offered, including the terms, if any, on which debt securities may be convertible into or exchangeable for common stock or other debt securities. The statements and descriptions in this prospectus or in any prospectus supplement regarding provisions of debt securities and any indentures are summaries of these provisions, do not purport to be complete and are subject to, and are qualified in their entirety by reference to, all of the provisions of the debt securities and the indentures (including any amendments or supplements we may enter into from time to time which are permitted under the debt securities or any indenture).

Unless otherwise specified in a prospectus supplement, the debt securities will be direct unsecured obligations of the Company. Any debt securities designated as senior will rank equally with any of our other senior and unsubordinated debt. Any debt securities designated as subordinated will be subordinate and junior in right of payment to any senior indebtedness. There may be subordinated debt securities that are senior or junior to other series of subordinated debt securities.

The applicable prospectus supplement will set forth the terms of the debt securities or any series thereof, including, if applicable:

the title of the debt securities and whether the debt securities will be senior debt securities or subordinated debt securities;

any limit upon the aggregate principal amount of the debt securities;

whether the debt securities will be issued as registered securities, bearer securities or both, and any restrictions on the exchange of one form of debt securities for another and on the offer, sale and delivery of the debt securities in either form;

the date or dates on which the principal amount of the debt securities will mature;

if the debt securities bear interest, the rate or rates at which the debt securities bear interest and the date or dates from which interest will accrue;

if the debt securities bear interest, the dates on which interest will be payable and the regular record dates for interest payments;

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the place or places where the payment of principal, any premium and interest will be made, where the debt securities may be surrendered for transfer or exchange and where notices or demands to or upon us may be served;

the price at which we originally issue the debt security, expressed as a percentage of the principal amount, and the original issue date;

any optional redemption provisions, which would allow us to redeem the debt securities in whole or in part;

any sinking fund or other provisions that would obligate us to redeem, repay or purchase the debt securities;

if the currency in which the debt securities will be issuable is U.S. dollars, the denominations in which any registered securities will be issuable, if other than denominations of \$1,000 and any integral multiple thereof, and the denominations in which any bearer securities will be issuable, if other than the denomination of \$5,000;

if other than the entire principal amount, the portion of the principal amount of debt securities which will be payable upon a declaration of acceleration of the maturity of the debt securities;

the events of default and covenants relevant to the debt securities, including the inapplicability of any event of default or covenant set forth in the indenture relating to the debt securities, or the applicability of any other events of default or covenants in addition to the events of default or covenants set forth in the indenture relating to the debt securities;

the name and location of the corporate trust office of the applicable trustee under the indenture for such series of notes;

if other than U.S. dollars, the currency in which the debt securities will be paid or denominated;

if the debt securities are to be payable, at our election or the election of a holder of the debt securities, in a currency other than that in which the debt securities are denominated or stated to be payable, the terms and conditions upon which that election may be made, and the time and manner of determining the exchange rate between the currency in which the debt securities are denominated or stated to be payable and the currency in which the debt securities are to be so payable;

the designation of the original currency determination agent, if any;

if the debt securities do not bear interest, the dates on which we will furnish to the applicable trustee the names and addresses of the holders of the debt securities;

if the debt security is also an original issue discount debt security, the yield to maturity;

if other than as set forth in an indenture, provisions for the satisfaction and discharge or defeasance or covenant defeasance of that indenture with respect to the debt securities issued under that indenture;

the date as of which any bearer securities and any global security will be dated if other than the date of original issuance of the first debt security of a particular series to be issued;

whether and under what circumstances we will pay additional amounts to non-U.S. holders in respect of any tax assessment or government charge;

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whether the debt securities will be issued in whole or in part in the form of a global security or securities and, in that case, any depositary and global exchange agent for the global security or securities, whether the global form shall be permanent or temporary and, if applicable, the exchange date;

if debt securities are to be issuable initially in the form of a temporary global security, the circumstances under which the temporary global security can be exchanged for definitive debt securities and whether the definitive debt securities will be registered securities, bearer securities or will be in global form and provisions relating to the payment of interest in respect of any portion of a global security payable in respect of an interest payment date prior to the exchange date;

the extent and manner to which payment on or in respect of debt securities will be subordinated to the prior payment of our other liabilities and obligations;

the assets, if any, that will be pledged as security for the payment of the debt securities;

whether payment of any amount due under the debt securities will be guaranteed by one or more guarantors, including one or more of our subsidiaries;

whether the debt securities will be convertible and the terms of any conversion provisions;

the forms of the debt securities; and

any other terms of the debt securities, which terms shall not be inconsistent with the requirements of the Trust Indenture Act.

This prospectus is part of a registration statement that provides that we may issue debt securities from time to time in one or more series under one or more indentures, in each case with the same or various maturities, at par or at a discount. Unless indicated in a prospectus supplement, we may issue additional debt securities of a particular series without the consent of the holders of the debt securities of such series outstanding at the time of the issuance. Any such additional debt securities, together with all other outstanding debt securities of that series, will constitute a single series of debt securities under the applicable indenture.

We intend to disclose any restrictive covenants for any issuance or series of debt securities in the applicable prospectus supplement.

DESCRIPTION OF WARRANTS

General

We may issue debt warrants for the purchase of debt securities or stock warrants for the purchase of preferred stock or common stock.

The warrants will be issued under warrant agreements to be entered into between us and a bank or trust company, as warrant agent, all to be set forth in the applicable prospectus supplement relating to any or all warrants in respect of which this prospectus is being delivered. Copies of the form of agreement for each warrant, including the forms of certificates representing the warrants reflecting the provisions to be included in such agreements that will be entered into with respect to the particular offerings of each type of warrant, are filed as exhibits to the registration statement of which this prospectus forms a part.

The following description sets forth certain general terms and provisions of the warrants to which any prospectus supplement may relate. The particular terms of the warrants to which any prospectus supplement may relate and the extent, if any, to which such general provisions may apply to the warrants so offered will be described in the applicable prospectus supplement. The following summary of certain provisions of the warrants, warrant agreements and warrant certificates does not purport to be complete and is subject to, and is qualified in its entirety by express reference to, all the provisions of the warrant agreements and warrant certificates, including the definitions therein of certain terms.

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Debt Warrants

General. Reference is made to the applicable prospectus supplement for the terms of debt warrants in respect of which this prospectus is being delivered, the debt securities warrant agreement relating to such debt warrants and the debt warrant certificates representing such debt warrants, including the following:

the designation, aggregate principal amount and terms of the debt securities purchasable upon exercise of such debt warrants and the procedures and conditions relating to the exercise of such debt warrants;

the designation and terms of any related debt securities with which such debt warrants are issued and the number of such debt warrants issued with each such debt security;

the date, if any, on and after which such debt warrants and any related offered securities will be separately transferable;

the principal amount of debt securities purchasable upon exercise of each debt warrant and the price at which such principal amount of debt securities may be purchased upon such exercise;

the date on which the right to exercise such debt warrants shall commence and the date on which such right shall expire;

a discussion of the material U.S. federal income tax considerations applicable to the ownership or exercise of debt warrants;

whether the debt warrants represented by the debt warrant certificates will be issued in registered or bearer form, and, if registered, where they may be transferred and registered;

call provisions of such debt warrants, if any; and

any other terms of the debt warrants.

The debt warrant certificates will be exchangeable for new debt warrant certificates of different denominations and debt warrants may be exercised at the corporate trust office of the warrant agent or any other office indicated in the applicable prospectus supplement. Prior to the exercise of their debt warrants, holders of debt warrants will not have any of the rights of holders of the debt securities purchasable upon such exercise and will not be entitled to any payments of principal and premium, if any, and interest, if any, on the debt securities purchasable upon such exercise.

Exercise of Debt Warrants. Each debt warrant will entitle the holder to purchase for cash such principal amount of debt securities at such exercise price as shall in each case be set forth in, or be determinable as set forth in, the

applicable prospectus supplement relating to the debt warrants offered thereby. Unless otherwise specified in the applicable prospectus supplement, debt warrants may be exercised at any time up to 5:00 p.m., New York City time, on the expiration date set forth in the applicable prospectus supplement. After 5:00 p.m., New York City time, on the expiration date, unexercised debt warrants will become void.

Debt warrants may be exercised as set forth in the applicable prospectus supplement relating to the debt warrants. Upon receipt of payment and the debt warrant certificate properly completed and duly executed at the corporate trust office of the warrant agent or any other office indicated in the applicable prospectus supplement, we will, as soon as practicable, forward the debt securities purchased upon such exercise. If less than all of the debt warrants represented by such debt warrant certificate are exercised, a new debt warrant certificate will be issued for the remaining amount of debt warrants.

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Stock Warrants

General. Reference is made to the applicable prospectus supplement for the terms of stock warrants in respect of which this prospectus is being delivered, the stock warrant agreement relating to such stock warrants and the stock warrant certificates representing such stock warrants, including the following:

the type and number of shares of preferred stock or common stock purchasable upon exercise of such stock warrants and the procedures and conditions relating to the exercise of such stock warrants;

the date, if any, on and after which such stock warrants and related offered securities will be separately tradable;

the offering price of such stock warrants, if any;

the initial price at which such shares may be purchased upon exercise of stock warrants and any provision with respect to the adjustment thereof;

the date on which the right to exercise such stock warrants shall commence and the date on which such right shall expire;

a discussion of the material U.S. federal income tax considerations applicable to the ownership or exercise of stock warrants;

call provisions of such stock warrants, if any;

any other terms of the stock warrants;

anti-dilution provisions of the stock warrants, if any; and

information relating to any preferred stock purchasable upon exercise of such stock warrants.

The stock warrant certificates will be exchangeable for new stock warrant certificates of different denominations and stock warrants may be exercised at the corporate trust office of the warrant agent or any other office indicated in the applicable prospectus supplement. Prior to the exercise of their stock warrants, holders of stock warrants will not have any of the rights of holders of shares of capital stock purchasable upon such exercise, and will not be entitled to any dividend payments on such capital stock purchasable upon such exercise.

Exercise of Stock Warrants. Each stock warrant will entitle the holder to purchase for cash such number of shares of preferred stock or common stock, as the case may be, at such exercise price as shall in each case be set forth in, or be determinable as set forth in, the applicable prospectus supplement relating to the stock warrants offered thereby. Unless otherwise specified in the applicable prospectus supplement, stock warrants may be exercised at any time up to 5:00 p.m., New York City time, on the expiration date set forth in the applicable prospectus supplement. After 5:00 p.m., New York City time, on the expiration date, unexercised stock warrants will become void.

Stock warrants may be exercised as set forth in the applicable prospectus supplement relating thereto. Upon receipt of payment and the stock warrant certificates properly completed and duly executed at the corporate trust office of the warrant agent or any other office indicated in the applicable prospectus supplement, we will, as soon as practicable, forward a certificate representing the number of shares of capital stock purchased upon such exercise. If less than all of the stock warrants represented by such stock warrant certificate are exercised, a new stock warrant certificate will be issued for the remaining amount of stock warrants.

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SELLING STOCKHOLDERS

This prospectus relates to the possible resale by certain affiliates of Rubicon, who we refer to as the Selling Stockholders in this prospectus, of up to \$40,000,000 of shares of our common stock. These shares were acquired from Rubicon by the Selling Stockholders in a series of private transactions prior to our initial public offering. Information about the potential Selling Stockholders who offer securities under the registration statement of which this prospectus is a part will be set forth in prospectus supplements, post-effective amendments and/or filings we make with the SEC under the Securities Exchange Act of 1934, as amended (the Exchange Act), that are incorporated by reference.

PLAN OF DISTRIBUTION

Rubicon may sell common stock, preferred stock, debt securities or warrants and the Selling Stockholders may sell common stock in one or more of the following ways from time to time:

to or through underwriters or dealers;

by itself or themselves directly;

through agents;

through a combination of any of these methods of sale; or

through any other methods described in a prospectus supplement.

The prospectus supplements relating to an offering of securities will set forth the terms of such offering, including:

the name or names of any underwriters, dealers or agents;

the purchase price of the offered securities and the proceeds to Rubicon and to the Selling Stockholders from the sale;

any underwriting discounts and commissions or agency fees and other items constituting underwriters' or agents' compensation; and

any initial public offering price, any discounts or concessions allowed or reallocated or paid to dealers and any securities exchanges on which such offered securities may be listed.

Any initial public offering prices, discounts or concessions allowed or reallocated or paid to dealers may be changed from time to time.

The distribution of securities may be effected, from time to time, in one or more transactions, including block transactions and transactions on the NASDAQ Global Market or any other organized market where the securities may be traded. The securities may be sold at a fixed price or prices, which may be changed, or at market prices prevailing at the time of sale, at prices relating to the prevailing market prices or at negotiated prices. The consideration may be cash or another form negotiated by the parties. Agents, underwriters or broker-dealers may be paid compensation for offering and selling the securities. That compensation may be in the form of discounts, concessions or commissions to be received from us or from the purchasers of the securities. Dealers and agents participating in the distribution of the securities may be deemed to be underwriters, and compensation received by them on resale of the securities may be deemed to be underwriting discounts. If such dealers or agents were deemed to be underwriters, they may be subject to statutory liabilities under the Securities Act.

If underwriters are used in the sale, the underwriters will acquire the offered securities for their own account and may resell them from time to time in one or more transactions, including negotiated transactions, at a fixed public offering price or at varying prices determined at the time of sale. The offered securities may be offered either to the public through underwriting syndicates represented by one or more managing underwriters or by one or more underwriters without a syndicate. Unless otherwise set forth in a prospectus supplement, the obligations of the underwriters to purchase any series of securities will be subject to certain conditions precedent and the underwriters will be obligated to purchase all of such series of securities if any are purchased.

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In connection with underwritten offerings of the offered securities and in accordance with applicable law and industry practice, underwriters may over-allot or effect transactions that stabilize, maintain or otherwise affect the market price of the offered securities at levels above those that might otherwise prevail in the open market, including by entering stabilizing bids, effecting syndicate covering transactions or imposing penalty bids, each of which is described below.

A stabilizing bid means the placing of any bid, or the effecting of any purchase, for the purpose of pegging, fixing or maintaining the price of a security.

A syndicate covering transaction means the placing of any bid on behalf of the underwriting syndicate or the effecting of any purchase to reduce a short position created in connection with the offering.

A penalty bid means an arrangement that permits the managing underwriter to reclaim a selling concession from a syndicate member in connection with the offering when offered securities originally sold by the syndicate member are purchased in syndicate covering transactions.

These transactions may be effected on the NASDAQ Global Market, in the over-the-counter market, or otherwise. Underwriters are not required to engage in any of these activities, or to continue such activities if commenced.

If a dealer is used in the sale, Rubicon and the Selling Stockholders, if any, will sell such offered securities to the dealer, as principal. The dealer may then resell the offered securities to the public at varying prices to be determined by that dealer at the time for resale. The names of the dealers and the terms of the transaction will be set forth in the prospectus supplement relating to that transaction.

Offered securities may be sold directly by Rubicon and the Selling Stockholders, if any, to one or more institutional purchasers, or through agents designated by Rubicon or the Selling Stockholders from time to time, at a fixed price or prices, which may be changed, or at varying prices determined at the time of sale. Any agent involved in the offer or sale of the offered securities in respect of which this prospectus is delivered will be named, and any commissions payable by Rubicon and the Selling Stockholders, if any, to such agent will be set forth in the prospectus supplement relating to that offering, unless otherwise indicated in such prospectus supplement. Any such agent will be acting on a best efforts basis for the period of its appointment.

Underwriters, dealers and agents may be entitled under agreements entered into with us to indemnification by us against certain civil liabilities, including liabilities under the Securities Act, or to contribution with respect to payments that the underwriters, dealers or agents may be required to make in respect thereof. If required, the prospectus supplement will describe the terms and conditions of such indemnification or contribution. Underwriters, dealers and agents may be customers of, engage in transactions with, or perform services for us and our affiliates in the ordinary course of business.

Under the securities laws of some states, the securities offered by this prospectus may be sold in those states only through registered or licensed brokers or dealers.

Any person participating in the distribution of common stock registered under the registration statement that includes this prospectus will be subject to applicable provisions of the Exchange Act, and the applicable SEC rules and regulations, including, among others, Regulation M, which may limit the timing of purchases and sales of any shares of our common stock by any such person. Furthermore, Regulation M may restrict the ability of any person engaged

in the distribution of our common stock to engage in market-making activities with respect to our common stock. These restrictions may affect the marketability of our common stock and the ability of any person or entity to engage in market-making activities with respect to our common stock.

Other than our common stock, which is listed on the NASDAQ Global Market, each of the securities issued hereunder will be a new issue of securities, will have no prior trading market, and may or may not be listed on a national securities exchange. Any common stock sold pursuant to a prospectus supplement will be listed on the NASDAQ Global Market, subject to official notice of issuance. Any underwriters to whom Rubicon sells securities for public offering and sale may make a market in the securities, but such underwriters will not be obligated to do so and may discontinue any market making at any time without notice. We cannot assure you that there will be a market for the offered securities.

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Fees and Commissions

In compliance with the guidelines of the Financial Industry Regulatory Authority (FINRA), the aggregate maximum discount, commission or agency fees or other items constituting underwriting compensation to be received by any FINRA member or independent broker-dealer will not exceed 8% of any offering pursuant to this prospectus and any applicable prospectus supplement or pricing supplement, as the case may be; however, it is anticipated that the maximum commission or discount to be received in any particular offering of securities will be significantly less than this amount.

If more than 10% of the net proceeds of any offering of securities made under this prospectus will be received by FINRA members participating in the offering or affiliates or associated persons of such FINRA members, the offering will be conducted in accordance with FINRA Conduct Rule 5110(h).

LEGAL MATTERS

The validity of the securities offered hereby will be passed upon for us by Winston & Strawn LLP. Certain legal matters may be passed upon for any agents or underwriters by counsel for such agents or underwriters identified in the applicable prospectus supplement.

EXPERTS

The audited financial statements and management's assessment of the effectiveness of internal control over financial reporting incorporated by reference in this prospectus and elsewhere in the registration statement have been so incorporated by reference in reliance upon the reports of Grant Thornton LLP, independent registered public accountants, upon the authority of said firm as experts in accounting and auditing in giving said reports.

WHERE YOU CAN FIND MORE INFORMATION

We file annual, quarterly and current reports, proxy statements and other information with the SEC. You may read and copy any document we file at the SEC's public reference room at 100 F Street N.E., Washington, D.C. 20549. Please call the SEC at 1-800-SEC-0330 for further information on the public reference room. Our SEC filings, including the registration statement and the exhibits and schedules thereto, are also available to the public from the SEC's website at <http://www.sec.gov>. You can also access our SEC filings through our website at www.rubicontechnology.com. Except as expressly set forth below, we are not incorporating by reference the contents of the SEC website or our website into this prospectus.

INFORMATION INCORPORATED BY REFERENCE

The SEC allows us to incorporate by reference the information we file with the SEC, which means that we can disclose important information to you by referring you to those documents. The information that we incorporate by reference is considered to be part of this prospectus.

Any statement contained or incorporated by reference in this prospectus shall be deemed to be modified or superseded for purposes of this prospectus to the extent that a statement contained herein, or in any subsequently filed document which also is incorporated by reference herein, modifies or supersedes such earlier statement. Any such statement so modified or superseded shall not be deemed, except as so modified or superseded, to constitute a part of this prospectus. We incorporate by reference into this prospectus the following documents:

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- (a) Annual Report on Form 10-K for the year ended December 31, 2012;
- (b) Quarterly Reports on Form 10-Q for the three months ended March 31, 2013, June 30, 2013 and September 30, 2013;
- (c) Current Reports on Form 8-K filed January 3, 2013 and July 2, 2013 (Items 5.02 and 5.07);

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(d) Definitive Proxy Statement on Schedule 14A filed on April 30, 2013;

(e) The description of our capital stock as set forth in our Registration Statement on Form 8-A filed with the SEC on November 13, 2007 (File No. 001-33834); and

(f) All documents that we file (but not those that we furnish) with the SEC pursuant to Section 13(a), 13(c), 14 or 15(d) of the Exchange Act (i) after the date of the initial registration statement of which this prospectus forms a part and prior to the effectiveness of such registration statement and (ii) after the date of this prospectus and before all of the securities offered by this prospectus are sold are incorporated by reference in this prospectus from the date of filing of the documents, unless we specifically provide otherwise.

Nothing in this prospectus shall be deemed to incorporate information furnished but not filed with the SEC pursuant to Item 2.02 or Item 7.01 of Form 8-K.

You may request a copy of these filings and any exhibit incorporated by reference in these filings at no cost, by writing or telephoning us at the following address or number:

Rubicon Technology, Inc.
900 East Green Street
Bensenville, Illinois 60106
(847) 295-7000
Attention: Secretary

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The following is an estimate, subject to future contingencies of the expenses to be incurred by the Registrant in connection with the issuance and distribution of the securities being registered:

| | Amount to be paid |
|------------------------------|------------------------------|
| Registration fee | \$ 12,880 |
| Legal fees and expenses | * |
| Accounting fees and expenses | * |
| Printing fees | * |
| Miscellaneous | * |
| Total | \$ * |

* To be completed by amendment.

ITEM 15. INDEMNIFICATION OF DIRECTORS AND OFFICERS

Section 145 of the Delaware General Corporation Law authorizes a corporation's board of directors to grant, and authorizes a court to award, indemnity to officers, directors and other corporate agents.

As permitted by Section 102(b)(7) of the Delaware General Corporation Law, the registrant's amended and restated certificate of incorporation includes provisions that eliminate the personal liability of its directors and officers for monetary damages for breach of their fiduciary duty, except for breaches of their duty of loyalty, as directors and officers.

In addition, as permitted by Section 145 of the Delaware General Corporation Law, the amended and restated bylaws of the registrant provide that:

The registrant shall indemnify its directors and officers for serving the registrant in those capacities or for serving other business enterprises at the registrant's request, to the fullest extent permitted by Delaware law. Delaware law provides that a corporation may indemnify such person if such person acted in good faith and in a manner such person reasonably believed to be in or not opposed to the best interests of the registrant and, with respect to any criminal proceeding, had no reasonable cause to believe such person's conduct was unlawful.

The registrant may, in its discretion, indemnify employees and agents in those circumstances where indemnification is permitted by applicable law.

The registrant is required to advance expenses, as incurred, to its directors and officers in connection with defending a proceeding, except that such director or officer shall undertake to repay such advances if it is ultimately determined that such person is not entitled to indemnification.

The registrant will not be obligated pursuant to the amended and restated bylaws to indemnify a person with respect to proceedings initiated by that person, except with respect to proceedings authorized by the registrant's board of directors.

The registrant may not retroactively amend the bylaw provisions to reduce its indemnification obligations to directors, officers, employees and agents.

The registrant's policy is to enter into separate indemnification agreements with each of its directors and officers that provide the maximum indemnity allowed to directors and officers by Section 145 of the Delaware General Corporation Law and also provide for certain additional procedural protections. The registrant may also, at the discretion of the board of directors, purchase and maintain directors and officers insurance to insure such persons against certain liabilities.

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These indemnification provisions and the indemnification agreements entered into between the registrant and its officers and directors may be sufficiently broad to permit indemnification of the registrant's officers and directors for liabilities (including reimbursement of expenses incurred) arising under the Securities Act.

ITEM 16. EXHIBITS

The following Exhibits are filed as part of this Registration Statement:

| Exhibit No. | Document Description |
|--------------------|---|
| 1.1* | Form of underwriting agreement. |
| 3.1 | Eighth Amended and Restated Certificate of Incorporation of Rubicon Technology, Inc. (incorporated by reference to Exhibit 3.1 to the Company's Amendment No. 2 to the Registration Statement on Form S-1 of Rubicon Technology, Inc. filed on November 1, 2007). |
| 3.2 | Amendment No. 1 to Eighth Amended and Restated Certificate of Incorporation of Rubicon Technology, Inc. (incorporated by reference to Appendix A to the Company's Definitive Proxy Statement on Schedule 14A, filed on April 29, 2011 (File No. 1-33834)). |
| 3.3 | Amended and Restated Bylaws of Rubicon Technology, Inc. (incorporated by reference to Exhibit 3.2 to the Company's Amendment No. 2 to the Registration Statement on Form S-1 of Rubicon Technology, Inc. filed on November 1, 2007). |
| 4.1** | Form of Indenture relating to senior debt securities. |
| 4.2** | Form of Indenture relating to subordinated debt securities. |
| 4.4 | Form of common stock certificate (incorporated by reference to Exhibit 4.1 to the Company's Amendment No. 3 to the Registration Statement on Form S-1 of Rubicon Technology, Inc. filed on November 13, 2007). |
| 4.5* | Form of warrant agreement. |
| 4.6* | Form of warrant certificate. |
| 4.7* | Form of preferred stock certificate. |
| 5.1** | Opinion of Winston & Strawn LLP as to the legality of the securities being registered. |
| 12.1* | Computation of ratio of earnings to fixed charges. |
| 23.1** | Consent of Grant Thornton LLP. |
| 23.2** | Consent of Winston & Strawn LLP (contained in the opinion filed as Exhibit 5.1). |
| 24.1** | Powers of Attorney authorizing certain persons to sign this registration statement on behalf of certain directors and officers of Registrant and subsidiary guarantors (contained on the signature pages hereto). |
| 25.1* | Form of T-1 Statement of Eligibility and Qualification under the Trust Indenture Act of 1939 of the Trustee under any indenture constituting Exhibit 4.1 hereto. |

- * To be filed by amendment or as an exhibit to a document incorporated by reference into the registration statement.
- ** Filed herewith.

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ITEM 17. UNDERTAKINGS

(a) The undersigned Registrant hereby undertakes:

(1) To file, during any period in which offers or sales are being made, a post-effective amendment to this registration statement:

(i) to include any prospectus required by Section 10(a)(3) of the Securities Act of 1933;

(ii) to reflect in the prospectus any facts or events arising after the effective date of the registration statement (or the most recent post-effective amendment thereof) which, individually or in the aggregate, represent a fundamental change in the information set forth in the registration statement. Notwithstanding the foregoing, any increase or decrease in volume of securities offered (if the total dollar value of securities offered would not exceed that which was registered) and any deviation from the low or high end of the estimated maximum offering range may be reflected in the form of prospectus filed with the SEC pursuant to Rule 424(b) if, in the aggregate, the changes in volume and price represent no more than a 20 percent change in the maximum aggregate offering price set forth in the Calculation of Registration Fee table in the effective registration statement; and

(iii) to include any material information with respect to the plan of distribution not previously disclosed in the registration statement or any material change to such information in the registration statement;

provided, however, that paragraphs (a)(1)(i), (a)(1)(ii) and (a)(1)(iii) of this section do not apply if the information required to be included in a post-effective amendment by those paragraphs is contained in periodic reports filed with or furnished to the SEC by the Registrant pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934 that are incorporated by reference in the registration statement, or is contained in a form of prospectus filed pursuant to Rule 424(b) that is part of the registration statement.

(2) That, for the purpose of determining any liability under the Securities Act of 1933, each such post-effective amendment shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof.

(3) To remove from registration by means of a post-effective amendment any of the securities being registered which remain unsold at the termination of the offering.

(4) That, for the purpose of determining liability under the Securities Act of 1933 to any purchaser:

(A) Each prospectus filed by the registrant pursuant to Rule 424(b)(3) shall be deemed to be part of the registration statement as of the date the filed prospectus was deemed part of and included in the registration statement; and

(B) Each prospectus required to be filed pursuant to Rule 424(b)(2), (b)(5) or (b)(7) as part of a registration statement in reliance on Rule 430B relating to an offering made pursuant to Rule 415(a)(1)(i), (vii) or (x) for the purpose of providing the information required by Section 10(a) of the Securities Act of 1933 shall be deemed to be part of and included in the registration statement as of the earlier of the date such form of prospectus is first used after effectiveness or the date of the first contract of sale of securities in the offering described in the prospectus. As provided in Rule 430B, for liability purposes of the issuer and any person that is at that date an underwriter, such date shall be deemed to be a new effective date of the registration statement relating to the securities in the registration statement to which that prospectus relates, and the offering of such securities at that time shall be deemed to be the initial *bona fide* offering thereof. *Provided, however*, that no statement made in a registration statement or prospectus

that is part of the registration statement or made in a document incorporated or deemed incorporated by reference into the registration statement or prospectus that is part of the registration statement will, as to a purchaser with a time of contract of sale prior to such effective date, supersede or modify any statement that was made in the registration statement or prospectus that was part of the registration statement or made in any such document immediately prior to such effective date.

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(5) That for the purpose of determining liability of the registrant under the Securities Act of 1933 to any purchaser in the initial distribution of the securities, the undersigned registrant undertakes that in a primary offering of securities of the undersigned registrant pursuant to this registration statement, regardless of the underwriting method used to sell the securities to the purchaser, if the securities are offered or sold to such purchaser by means of any of the following communications, the undersigned registrant will be a seller to the purchaser and will be considered to offer or sell such securities to such purchaser:

(i) Any preliminary prospectus or prospectus of the undersigned registrant relating to the offering required to be filed pursuant to Rule 424;

(ii) Any free writing prospectus relating to the offering prepared by or on behalf of the undersigned registrant or used or referred to by the undersigned registrant;

(iii) The portion of any other free writing prospectus relating to the offering containing material information about the undersigned registrant or its securities provided by or on behalf of the undersigned registrant; and

(iv) Any other communication that is an offer in the offering made by the undersigned registrant to the purchaser.

(b) The undersigned Registrant hereby undertakes that, for purposes of determining any liability under the Securities Act of 1933, each filing of the Registrant's annual report pursuant to Section 13(a) or Section 15(d) of the Securities Exchange Act of 1934 (and, where applicable, each filing of an employee benefit plan's annual report pursuant to Section 15(d) of the Securities Exchange Act of 1934) that is incorporated by reference in the Registration Statement shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial *bona fide* offering thereof.

(c) The undersigned Registrant hereby undertakes to file an application for the purpose of determining the eligibility of the trustee to act under subsection (a) of Section 310 of the Trust Indenture Act in accordance with the rules and regulations prescribed by the SEC under Section 305(b)(2) of the Trust Indenture Act.

(d) Insofar as indemnification for liabilities arising under the Securities Act of 1933 may be permitted to directors, officers and controlling persons of the Registrant pursuant to the foregoing provisions, or otherwise, the Registrant has been advised that in the opinion of the SEC such indemnification is against public policy as expressed in the Act and is, therefore, unenforceable. In the event that a claim for indemnification against such liabilities (other than the payment by the Registrant of expenses incurred or paid by a director, officer or controlling person of the Registrant in the successful defense of any action, suit or proceeding) is asserted by such director, officer or controlling person in connection with the securities being registered, the Registrant will, unless in the opinion of its counsel the matter has been settled by controlling precedent, submit to a court of appropriate jurisdiction the question whether such indemnification by it is against public policy as expressed in the Act and will be governed by the final adjudication of such issue.

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SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, as amended, the Registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-3 and has duly caused this Registration Statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of Bensenville, State of Illinois, on November 25, 2013.

Rubicon Technology, Inc.

/S/ RAJA M. PARVEZ

By: Raja M. Parvez
Its: President and Chief Executive Officer

POWER OF ATTORNEY

Each person whose signature appears below appoints each of Raja M. Parvez and William F. Weissman as his true and lawful attorney-in-fact and agent with full power of substitution and resubstitution, for him and in his name, place and stead in his capacity as a director or officer or both, as the case may be, of the Registrant, to sign any and all amendments (including post-effective amendments) to this Registration Statement, and any subsequent registration statements pursuant to Rule 462 of the Securities Act of 1933, as amended (the Securities Act), and all documents or instruments necessary or appropriate to enable the Registrant to comply with the Securities Act, and to file the same with the Securities and Exchange Commission, with full power and authority to each attorney-in-fact and agent to do and perform in the name and on behalf of each such director or officer each and every act whatsoever that is necessary, appropriate or advisable in connection with any or all of the above-described matters and to all intents and purposes as he might or could do in person, hereby ratifying and confirming all that said attorneys-in-fact and agents or any of them or their substitutes may lawfully do or cause to be done by virtue hereof.

Pursuant to the requirements of the Securities Act of 1933, this Registration Statement has been signed on November 25, 2013 by the following persons in the capacities indicated.

/S/ RAJA M. PARVEZ

Raja M. Parvez

Director, President and Chief Executive Officer
(Principal Executive Officer)

/S/ WILLIAM F. WEISSMAN

William F. Weissman

Chief Financial Officer (Principal Financial and
Accounting Officer)

/S/ DON N. AQUILANO

Don N. Aquilano

Chairman of the Board of Directors

/S/ DONALD R. CALDWELL

Donald R. Caldwell

Director

/S/ MICHAEL E. MIKOLAJCZYK

Michael E. Mikolajczyk

Director

/S/ RAYMOND J. SPENCER

Raymond J. Spencer

Director

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EXHIBIT INDEX

Exhibit

| No. | Document Description |
|------------|---|
| 1.1* | Form of underwriting agreement. |
| 3.1 | Eighth Amended and Restated Certificate of Incorporation of Rubicon Technology, Inc. (incorporated by reference to Exhibit 3.1 to the Company's Amendment No. 2 to the Registration Statement on Form S-1 of Rubicon Technology, Inc. filed on November 1, 2007). |
| 3.2 | Amendment No. 1 to Eighth Amended and Restated Certificate of Incorporation of Rubicon Technology, Inc. (incorporated by reference to Appendix A to the Company's Definitive Proxy Statement on Schedule 14A, filed on April 29, 2011 (File No. 1-33834)). |
| 3.3 | Amended and Restated Bylaws of Rubicon Technology, Inc. (incorporated by reference to Exhibit 3.2 to the Company's Amendment No. 2 to the Registration Statement on Form S-1 of Rubicon Technology, Inc. filed on November 1, 2007). |
| 4.1** | Form of Indenture relating to senior debt securities. |
| 4.2** | Form of Indenture relating to subordinated debt securities. |
| 4.4 | Form of common stock certificate (incorporated by reference to Exhibit 4.1 to the Company's Amendment No. 3 to the Registration Statement on Form S-1 of Rubicon Technology, Inc. filed on November 13, 2007). |
| 4.5* | Form of warrant agreement. |
| 4.6* | Form of warrant certificate. |
| 4.7* | Form of preferred stock certificate. |
| 5.1** | Opinion of Winston & Strawn LLP as to the legality of the securities being registered. |
| 12.1* | Computation of ratio of earnings to fixed charges. |
| 23.1** | Consent of Grant Thornton LLP. |
| 23.2** | Consent of Winston & Strawn LLP (contained in the opinion filed as Exhibit 5.1). |
| 24.1** | Powers of Attorney authorizing certain persons to sign this registration statement on behalf of certain directors and officers of Registrant and subsidiary guarantors (contained on the signature pages hereto). |
| 25.1* | Form of T-1 Statement of Eligibility and Qualification under the Trust Indenture Act of 1939 of the Trustee under any indenture constituting Exhibit 4.1 hereto. |

* To be filed by amendment or as an exhibit to a document incorporated by reference into the registration statement.

** Filed herewith.

