

FORMFACTOR INC
Form S-4/A
May 19, 2016
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As filed with the Securities and Exchange Commission on May 19, 2016

Registration No. 333-210549

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

AMENDMENT NO. 2
TO
FORM S-4
REGISTRATION STATEMENT
UNDER
THE SECURITIES ACT OF 1933

FormFactor, Inc.

(Exact Name of Registrant as Specified in Its Charter)

Delaware (State or Other Jurisdiction of	3285 (Primary Standard Industrial	13-3711155 (I.R.S. Employer
Incorporation or Organization)	Classification Code Number) 7005 Southfront Road	Identification Number)

Livermore, California 94551

(925) 290-4000

(Address, Including Zip Code, and Telephone Number, Including Area Code, of Registrant's Principal Executive Offices)

Jason Cohen

Vice President and General Counsel

FormFactor, Inc.

7005 Southfront Road

Livermore, California 94551

(925) 290-4000

(Name, Address, Including Zip Code, and Telephone Number, Including Area Code, of Agent For Service)

Copies to:

Sarah K. Solum

Davis Polk & Wardwell LLP

1600 El Camino Real

Menlo Park, California 94025

(650) 752-2000

Roy Tucker

David Matheson

Perkins Coie LLP

1120 N.W. Couch Street, Tenth Floor

Portland, Oregon 97209

(503) 727-2000

Approximate date of commencement of proposed sale of the securities to the public: As soon as practicable after the effective date of this registration statement and the consummation of the merger of Cardinal Merger Subsidiary, Inc. (**Merger Sub**), a wholly owned subsidiary of FormFactor, Inc. (**FormFactor**), with and into Cascade Microtech, Inc. (**Cascade Microtech**), as described in the Agreement and Plan of Merger dated as of February 3, 2016 among Cascade Microtech, FormFactor and Merger Sub.

If the securities being registered on this form are being offered in connection with the formation of a holding company and there is compliance with General Instruction G, 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, as amended (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 post-effective amendment filed pursuant to Rule 462(d) 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. "

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 the definitions of large accelerated filer, accelerated filer and smaller reporting company in Rule 12b-2 of the Securities Exchange Act of 1934 (the **Exchange Act**).

Large accelerated filer	Accelerated filer	<input checked="" type="checkbox"/>
Non-accelerated filer	Smaller reporting company	<input type="checkbox"/>

(Do not check if a smaller reporting company)
If applicable, place an X in the box to designate the appropriate rule provision relied upon in conducting this transaction:

Exchange Act Rule 13e-4(i) (Cross-Border Issuer Tender Offer) "

Exchange Act Rule 14d-1(d) (Cross-Border Third-Party Tender Offer) "

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 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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Information contained herein is subject to completion or amendment. A registration statement relating to these securities has been filed with the Securities and Exchange Commission. These securities may not be sold nor may offers to buy be accepted prior to the time the registration statement becomes effective. This proxy statement/prospectus shall not constitute an offer to sell or the solicitation of an offer to buy nor shall there be any sale of these securities in any jurisdiction in which such offer, solicitation or sale would be unlawful.

PRELIMINARY SUBJECT TO COMPLETION DATED MAY 19, 2016

**PROXY STATEMENT FOR THE SPECIAL MEETING OF SHAREHOLDERS OF CASCADE
MICROTECH, INC.**

and

PROSPECTUS OF FORMFACTOR, INC.

[], 2016

Dear Cascade Microtech, Inc. Shareholder:

You are cordially invited to attend a special meeting of shareholders of Cascade Microtech, to be held on June 23, 2016, at the offices of Perkins Coie LLP, located at 1120 N.W. Couch Street, Tenth Floor, Portland, Oregon 97209, at 10:00 a.m., local time. At the Cascade Microtech special meeting, you will be asked to approve and adopt the Agreement and Plan of Merger, dated as of February 3, 2016, the merger pursuant to that agreement in which Cascade Microtech will become a wholly owned subsidiary of FormFactor, Inc. and the related transactions contemplated by that agreement. Cascade Microtech's board of directors unanimously determined that the merger agreement, the merger and the other transactions contemplated by the merger agreement are advisable for, fair to, and in the best interests of Cascade Microtech and its shareholders and unanimously approved the merger agreement, the merger and the other transactions contemplated by the merger agreement.

If the merger is consummated, you will have the right to receive, subject to the terms of the merger agreement and in exchange for each share of Cascade Microtech common stock you own immediately prior to the merger, \$16.00 in cash, without interest, and 0.6534 of a share of FormFactor common stock. The value of the per share cash consideration is fixed at \$16.00, except that, if the number of shares of FormFactor common stock issuable as a result of the merger would, in the aggregate, exceed 19.9% of the issued and outstanding shares of FormFactor common stock immediately prior to the consummation of the merger, the exchange ratio will be reduced to the minimum extent necessary such that the aggregate number of shares of FormFactor common stock issuable in the merger would equal 19.9% of the issued and outstanding shares of FormFactor common stock immediately prior to the consummation of the merger. If this adjustment occurs, you will receive an increase in the amount of cash you receive as part of the merger consideration per share equal to the decrease in value of the stock portion of the merger consideration that results from the reduction of the exchange ratio. Additionally, the value of the stock portion of the merger consideration will fluctuate as the market price of FormFactor common stock fluctuates, because the amount of FormFactor common stock that Cascade Microtech's shareholders are entitled to receive will be adjusted only in the circumstances described in this proxy statement/prospectus and will not be adjusted to preserve the value of the stock

portion of the merger consideration in the face of changes in the market price of FormFactor common stock. Based on the closing stock price of a share of FormFactor common stock of \$6.70 on the NASDAQ Global Market on May 17, 2016, the most recent practicable date prior to the date of this proxy statement/prospectus, the value of the merger consideration was \$20.38 per share of Cascade Microtech common stock, which includes the value of the stock portion of the merger consideration of \$4.38 per share and the cash portion of the merger consideration of \$16.00 per share of Cascade Microtech common stock. As a result, the value of the merger consideration that Cascade Microtech stockholders will receive upon completion of the merger could be greater than, less than or the same as the value of the merger consideration on the date of this proxy statement/prospectus or at the time of the Cascade Microtech special meeting. Shares of Cascade Microtech common stock and FormFactor common stock are traded on the NASDAQ Global Market under the symbols CSCD and FORM, respectively.

We cannot consummate the merger unless Cascade Microtech shareholders approve and adopt the merger agreement, the merger pursuant to merger agreement and the related transactions contemplated by the merger agreement. **Your vote is very important, regardless of the number of shares you own. Whether or not you expect to attend the Cascade Microtech special meeting in person, please vote or otherwise submit a proxy to vote your shares as promptly as possible so that your shares may be represented and voted at the Cascade Microtech special meeting.**

In addition, at the Cascade Microtech special meeting you also will be asked to approve the adjournment of the Cascade Microtech special meeting under certain circumstances and to approve, on an advisory (non-binding) basis, the merger-related compensation that will or may be paid to Cascade Microtech's named executive officers in connection with the merger.

The Cascade Microtech board of directors unanimously recommends that Cascade Microtech shareholders vote FOR the approval and adoption of the merger agreement, the merger pursuant to merger agreement and the related transactions contemplated by the merger agreement, FOR the adjournment of the Cascade Microtech special meeting if necessary to solicit additional proxies if there are not sufficient votes to approve and adopt the

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merger agreement, the merger pursuant to the merger agreement and the related transactions contemplated by the merger agreement at the time of the Cascade Microtech special meeting and FOR the named executive officer merger-related compensation proposal.

The accompanying proxy statement/prospectus provides important information regarding the Cascade Microtech special meeting and a detailed description of the merger agreement, the merger, the related transactions contemplated by the merger agreement, the adjournment proposal and the named executive officer merger-related compensation proposal. **We urge you to read carefully the accompanying proxy statement/prospectus (and any documents incorporated by reference in the accompanying proxy statement/prospectus). Please pay particular attention to the section entitled Risk Factors beginning on page 47.** You can also obtain information about Cascade Microtech and FormFactor from documents that Cascade Microtech and FormFactor previously have filed, or subsequently file, with the Securities and Exchange Commission.

If you have any questions about the merger or about how to vote your shares, please contact Cascade Microtech Investor Relations at (503) 601-1000 or write to Cascade Microtech, Inc., 9100 S.W. Gemini Drive, Beaverton, Oregon 97008, Attention: Investor Relations.

We hope to see you at the Cascade Microtech special meeting and look forward to the successful consummation of the merger.

Sincerely,

Michael D. Burger

Director, President and Chief Executive Officer

Neither the Securities and Exchange Commission nor any state securities commission has approved or disapproved of the securities to be issued under the accompanying proxy statement/prospectus or determined that the accompanying proxy statement/prospectus is accurate or complete. Any representation to the contrary is a criminal offense.

The accompanying proxy statement/prospectus is dated [], 2016 and is first being mailed to the shareholders of Cascade Microtech on or about [], 2016.

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ADDITIONAL INFORMATION

The accompanying document is the proxy statement of Cascade Microtech, Inc. for its special meeting of shareholders and the prospectus of FormFactor, Inc. for the shares of FormFactor common stock to be issued as consideration for the merger. The accompanying proxy statement/prospectus incorporates important business and financial information about FormFactor, Inc. and Cascade Microtech, Inc. from documents that are not included in or delivered with the accompanying proxy statement/prospectus. This information is available to you without charge upon request. You can obtain documents incorporated by reference in the accompanying proxy statement/prospectus by requesting them in writing or by telephone from FormFactor, Inc. or Cascade Microtech, Inc. at the following addresses and telephone numbers:

FormFactor, Inc.
7005 Southfront Road
Livermore, California 94551
Attn: Investor Relations
Telephone: (925) 290-4000

Cascade Microtech, Inc.
9100 S.W. Gemini Drive
Beaverton, Oregon 97008
Attention: Investor Relations
Telephone: (503) 601-1000

In addition, if you have questions about the merger or the accompanying proxy statement/prospectus, would like additional copies of the accompanying proxy statement/prospectus or need to obtain proxy cards or other information related to the proxy solicitation, please contact Georgeson LLC, the proxy solicitor for Cascade Microtech at (866) 413-5899. You will not be charged for any of these documents that you request.

If you would like to request documents, please do so by June 16, 2016 in order to receive them before the special meeting.

See **Where You Can Find More Information** beginning on page 136 of the accompanying proxy statement/prospectus for further information.

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NOTICE OF SPECIAL MEETING OF SHAREHOLDERS

To the Shareholders of Cascade Microtech, Inc.:

A special meeting of shareholders of Cascade Microtech, Inc. will be held on June 23, 2016, at the offices of Perkins Coie LLP, located at 1120 N.W. Couch Street, Tenth Floor, Portland, Oregon 97209, at 10:00 a.m., local time, for the following purposes:

to consider and vote on a proposal to approve and adopt (a) the Agreement and Plan of Merger, dated as of February 3, 2016, by and among Cascade Microtech, FormFactor, Inc., a Delaware corporation, and Cardinal Merger Subsidiary, Inc., an Oregon corporation, (b) the merger pursuant to that merger agreement in which Cascade Microtech will become a wholly owned subsidiary of FormFactor, Inc. and (c) the related transactions contemplated by the merger agreement (a copy of the merger agreement is attached as Annex A to the proxy statement/prospectus accompanying this notice);

to consider and vote on a proposal to approve the adjournment of the Cascade Microtech special meeting if necessary to solicit additional proxies if there are not sufficient votes to approve and adopt the merger agreement, the merger pursuant to merger agreement and the related transactions contemplated by the merger agreement at the time of the Cascade Microtech special meeting; and

to consider and vote on a proposal to approve, on an advisory (non-binding) basis, the merger-related compensation that will or may be paid to Cascade Microtech's named executive officers in connection with the merger.

The Cascade Microtech board of directors has fixed the close of business on May 5, 2016, as the record date for determination of the shareholders entitled to vote at the Cascade Microtech special meeting or any adjournment or postponement of the Cascade Microtech special meeting. Only shareholders of record at the record date are entitled to notice of, and to vote at, the Cascade Microtech special meeting or any adjournment or postponement of the Cascade Microtech special meeting.

If you hold shares in your name at the record date, please be prepared to provide proper identification, such as a driver's license, to gain admission to the Cascade Microtech special meeting.

If you are a beneficial owner of Cascade Microtech common stock held in street name, meaning that your shares are held by a broker, bank or other holder of record, at the record date, in addition to proper identification, you will also need to provide proof of ownership at the record date to be admitted to the Cascade Microtech special meeting. A brokerage statement or letter from a bank or broker are examples of proof of ownership. If you want to vote your shares of Cascade Microtech common stock held in street name in person at the Cascade Microtech special meeting, you will have to get a written proxy in your name from the broker, bank or other holder of record who holds your shares.

Approval and adoption of the merger agreement, the merger pursuant to merger agreement and the related transactions contemplated by the merger agreement requires the affirmative vote of holders of a majority of the shares of Cascade Microtech common stock outstanding and entitled to vote on the proposal. The adjournment proposal requires the

approval of a majority of the shares of Cascade Microtech common stock present at the special meeting, in person or by proxy, whether or not a quorum. The named executive officer merger-related compensation proposal will be approved, on an advisory (non-binding) basis, if a quorum exists and the votes cast in favor of the proposal exceed the votes cast against it. **After careful consideration, the Cascade Microtech board of directors unanimously determined that the merger agreement, the merger and the other transactions contemplated by the merger agreement are advisable for, fair to and in the best interests of Cascade Microtech and its shareholders and unanimously adopted and approved the merger agreement, the merger and the other transactions contemplated by the merger agreement and unanimously recommends that Cascade Microtech shareholders vote FOR the approval and adoption of the merger agreement, the merger pursuant to merger agreement and the related transactions contemplated by the merger agreement, FOR the adjournment of the Cascade Microtech special meeting if necessary to solicit additional proxies if there are not sufficient votes to approve and adopt the merger agreement, the merger pursuant to merger agreement and the related transactions contemplated by the merger agreement at the time of the Cascade Microtech special meeting and FOR the named executive officer merger-related compensation proposal.**

By order of the Board of Directors,

Beaverton, Oregon
[], 2016

Michael D. Burger

Director, President and Chief Executive Officer

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YOUR VOTE IS IMPORTANT!

WHETHER OR NOT YOU EXPECT TO ATTEND THE CASCADE MICROTECH SPECIAL MEETING IN PERSON, WE URGE YOU TO SUBMIT YOUR PROXY AS PROMPTLY AS POSSIBLE (1) THROUGH THE INTERNET, (2) BY TELEPHONE OR (3) BY MARKING, SIGNING AND DATING THE ENCLOSED PROXY CARD AND RETURNING IT IN THE POSTAGE-PAID ENVELOPE PROVIDED. You may revoke your proxy or change your vote at any time before the Cascade Microtech special meeting. If your shares are held in the name of a bank, broker or other fiduciary, please follow the instructions on the voting instruction card furnished to you by such record holder.

We urge you to read carefully the accompanying proxy statement/prospectus, including all documents incorporated by reference in the accompanying proxy statement/prospectus, and its annexes in their entirety. If you have any questions concerning the merger, the special meeting or the accompanying proxy statement/prospectus, would like additional copies of the accompanying proxy statement/prospectus or need help voting your shares of Cascade Microtech common stock, please contact:

Georgeson LLC

480 Washington Blvd., 26th Floor

Jersey City, New Jersey 07310

Telephone: (866) 413-5899

or

Cascade Microtech, Inc.

9100 S.W. Gemini Drive

Beaverton, Oregon 97008

Attention: Investor Relations

Telephone: (503) 601-1000

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QUESTIONS AND ANSWERS ABOUT THE MERGER AND THE SPECIAL MEETING

The following are some questions that you, as a shareholder of Cascade Microtech, may have regarding the merger and the special meeting, and brief answers to those questions. You are urged to read carefully this proxy statement/prospectus and the other documents referred to in this proxy statement/prospectus in their entirety because this section may not provide all of the information that is important to you with respect to the merger and the special meeting. Additional important information is contained in the annexes to, and the documents incorporated by reference in, this proxy statement/prospectus.

Q. Why am I receiving these proxy materials?

- A. On February 3, 2016, Cascade Microtech entered into the merger agreement providing for the merger of Merger Sub with and into Cascade Microtech, pursuant to which Cascade Microtech will survive the merger as a wholly owned subsidiary of FormFactor. You are receiving this proxy statement/prospectus in connection with the solicitation by the Cascade Microtech board of director of proxies of Cascade Microtech shareholders in favor of (1) approving and adopting the merger agreement, the merger pursuant to the merger agreement and the related transactions contemplated by the merger agreement, which proposal is referred to in this section of this proxy statement/prospectus as the merger proposal, and (2) the other matters to be voted on at the special meeting.

Q. What is the proposed transaction?

- A. If the merger proposal is approved by Cascade Microtech's shareholders and the other conditions to the consummation of the merger contained in the merger agreement are satisfied or waived, Merger Sub will merge with and into Cascade Microtech. Cascade Microtech will be the surviving corporation in the merger and will be privately held as a wholly owned subsidiary of FormFactor.

Q. What will I receive in the merger?

- A. Under the terms of the merger agreement, if the merger is consummated, you will be entitled to receive, with respect to each share of Cascade Microtech common stock you own immediately prior to the merger, \$16.00 in cash, without interest, and 0.6534 of a share of FormFactor common stock (as each component may be adjusted as described below under *The Merger Agreement Exchange Ratio Adjustment* beginning on page 95 of this proxy statement/prospectus), with cash payable in lieu of any fractional shares of FormFactor common stock as described below under *The Merger Agreement Fractional Shares* beginning on page 97 of this proxy statement/prospectus. For example, assuming no adjustment to the exchange ratio, if you own 100 shares of Cascade Microtech common stock, you will be entitled to receive \$1,600 in cash and 65 shares of FormFactor common stock (plus an amount in cash for the market value of 0.34 of a share of FormFactor common stock at the FormFactor closing VWAP) in exchange for your shares, without interest and less any applicable withholding taxes.

Based on the closing stock price of a share of FormFactor common stock of \$6.70 on the NASDAQ Global Market on May 17, 2016, the most recent practicable date prior to the date of this proxy statement/prospectus, the value of the

merger consideration was \$20.38 per share of Cascade Microtech common stock, which includes the value of the stock portion of the merger consideration of \$4.38 per share and the cash portion of the merger consideration of \$16.00 per share of Cascade Microtech common stock.

Q. Where and when is the special meeting, and who may attend?

- A. The special meeting will be held at the offices of Perkins Coie LLP, located at 1120 N.W. Couch Street, Tenth Floor, Portland, Oregon 97209 on June 23, 2016, at 10:00 a.m., local time. Shareholders who are entitled to vote may attend the meeting. Beneficial owners of shares held in street name should bring a copy of an account statement reflecting their ownership of Cascade Microtech common stock as of the record date, which is the close of business on May 5, 2016. All shareholders should bring photo identification.

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Q. Who can vote at the Special Meeting?

- A. All Cascade Microtech shareholders of record as of the record date for the Cascade Microtech special meeting are entitled to receive notice of, attend and vote at the Cascade Microtech special meeting, or any adjournment or postponement thereof. Each share of Cascade Microtech common stock is entitled to one vote on all matters that come before the meeting. At the close of business on the record date, there were 15,949,492 shares of Cascade Microtech common stock issued and outstanding.

Q. What matters will be voted on at the special meeting?

- A. At the special meeting, you will be asked to consider and vote on the following proposals:

the merger proposal;

the named executive officer merger-related compensation proposal;

if applicable, the special meeting adjournment proposal; and

to transact such other business as may properly come before the special meeting or any adjournments or postponements of the special meeting.

Q. How does the Cascade Microtech board of directors recommend that I vote on the proposals?

- A. The Cascade Microtech board of directors unanimously recommends that you vote:

FOR the merger proposal;

FOR the named executive officer merger-related compensation proposal; and

FOR the adjournment proposal.

Q. What vote is required to approve the merger proposal?

- A.

The merger proposal will be approved if shareholders holding at least a majority of the shares of Cascade Microtech common stock outstanding and entitled to vote at the close of business on the record date vote **FOR** the proposal.

Q. What vote is required to approve the other proposals?

- A. The adjournment proposal will be approved if a majority of the votes cast at the special meeting vote **FOR** the proposal, even if a quorum is not present. The named executive officer merger-related compensation proposal will be approved, on an advisory (non-binding) basis, if a quorum exists and the votes cast **FOR** the proposal exceed the votes cast against it.

Q. Do you expect the merger to be taxable to Cascade Microtech shareholders?

- A. The exchange of Cascade Microtech common stock for cash and shares of FormFactor common stock in the merger will be a taxable transaction for U.S. federal income tax purposes and may also be taxable under state, local or other tax laws. For a discussion of the U.S. federal income tax consequences of the merger, see **Material U.S. Federal Income Tax Consequences** beginning on page 89 of this proxy statement/prospectus. You are also encouraged to consult your own tax advisors regarding the U.S. federal income tax consequences of the merger to you in your particular circumstances, as well as tax consequences arising under the laws of any state, local or foreign taxing jurisdiction.

Q. What other effects will the merger have on Cascade Microtech?

- A. If the merger is consummated, Cascade Microtech common stock will be delisted from NASDAQ and deregistered under the Exchange Act, and Cascade Microtech will no longer be required to file periodic reports with the U.S. Securities and Exchange Commission, which is referred to in this proxy statement/

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prospectus as the SEC, with respect to Cascade Microtech common stock, in each case in accordance with applicable law, rules and regulations. Following the consummation of the merger, Cascade Microtech common stock will no longer be publicly traded and you will no longer have any interest in Cascade Microtech's future earnings or growth; each share of Cascade Microtech common stock you hold will represent only the right to receive the merger consideration, as described above under "What will I receive in the merger?", without interest and less any applicable withholding taxes.

Q. When is the merger expected to be consummated?

A. The parties to the merger agreement expect to consummate the merger in mid-2016. However, consummation of the merger is subject to the satisfaction or, to the extent permitted by applicable law, waiver of the various conditions to consummation of the merger. There can be no assurances as to when, or if, the merger will occur.

Q. What happens if the merger is not consummated?

A. If the merger is not consummated, either because the merger proposal is not approved by Cascade Microtech shareholders or for any other reason, Cascade Microtech shareholders will not receive any payment for their shares of Cascade Microtech common stock in connection with the merger. Instead, Cascade Microtech will remain an independent public company and Cascade Microtech's common stock will continue to be registered under the Exchange Act and listed and traded on the NASDAQ Global Market. If the merger agreement is terminated under specified circumstances, Cascade Microtech may be required to pay FormFactor a termination fee of \$10,830,000. For a discussion of the circumstances under which either party will be required to pay a termination fee, see "The Merger Agreement Termination Fees and Expenses" beginning on page 117 of this proxy statement/prospectus.

Q. Why am I being asked to consider and vote on the named executive officer merger-related compensation proposal?

A. SEC rules require Cascade Microtech to seek approval on a non-binding, advisory basis with respect to certain payments that will or may be made to Cascade Microtech's named executive officers in connection with the merger. Approval of the named executive officer merger-related compensation proposal is not required to consummate the merger.

Q. What do I need to do now?

A. Carefully read and consider the information contained in and incorporated by reference into this proxy statement/prospectus, including the attached annexes. Whether or not you expect to attend the special meeting in person, please submit a proxy to vote your shares as promptly as possible so that your shares may be represented and voted at the special meeting.

Q. How do I vote if my shares are registered directly in my name?

- A. If your shares are registered directly in your name with our transfer agent, you are considered a shareholder of record and there are four methods by which you may vote your shares at the special meeting:

Internet: To vote over the internet, go to <http://www.envisionreports.com/CSCD> and follow the steps outlined on the secured website. Please have your proxy card available for reference because you will need the validation details that are located on your proxy card in order to cast your vote over the internet. If you vote over the internet, you do not have to mail in a proxy card.

Telephone: To vote by telephone, call toll-free 1-800-652-VOTE (8683) any time on a touchtone phone. Please have your proxy card available for reference because you will need the validation details

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that are located on your proxy card in order to cast your vote by telephone. If you vote by telephone, you do not have to mail in a proxy card.

Mail: To vote by mail, complete, sign and date a proxy card and return it promptly to the address indicated on the proxy card in the postage paid envelope provided. If you return your signed proxy card to Cascade Microtech before the special meeting and do not subsequently revoke your proxy, your shares will be voted as you direct.

In Person: You may attend the special meeting and vote your shares in person, rather than voting your shares by mail, over the internet or by telephone. You may request a ballot when you arrive at the special meeting. Whether or not you plan to attend the meeting, we urge you to vote by proxy to ensure your vote is counted. You may still attend the meeting and vote in person if you have already voted by proxy. Please choose only one method to cast your vote by proxy. We encourage you to vote over the internet or by telephone, both of which are convenient, cost-effective and reliable alternatives to returning a proxy card by mail.

Q. How do I vote if my shares are held in the name of my broker, bank or other nominee?

A. If your shares are held by your broker, bank or other nominee, you are considered the beneficial owner of shares held in street name and you will receive a form from your broker, bank or other nominee seeking instruction from you as to how your shares should be voted. If you are a beneficial owner and you wish to vote in person at the special meeting, you must bring to the special meeting a legal proxy from the broker, bank or other nominee that holds your shares authorizing you to vote in person at the special meeting.

Q. Can I change or revoke my proxy after it has been submitted?

A. Yes. You can change or revoke your proxy at any time before the final vote at the special meeting. If you are the record holder of your shares, you may change or revoke your proxy by:

voting again over the internet or by telephone prior to 11:59 p.m., Eastern Time, on June 22, 2016;

timely sending a written notice that you are revoking your proxy to Cascade Microtech's Secretary;

timely delivering a valid, later-dated proxy; or

attending the special meeting and notifying the election officials that you wish to revoke your proxy to vote in person. Simply attending the special meeting will not, by itself, revoke your proxy.

If you are the beneficial owner of shares held in street name, you will have to follow the instructions provided by your broker, bank or other nominee to change or revoke your proxy.

Q. How many shares of Cascade Microtech common stock must be present to constitute a quorum for the meeting?

- A. The presence at the special meeting, in person or by proxy, of a majority of the shares of Cascade Microtech common stock outstanding on the record date will constitute a quorum. There must be a quorum for business to be conducted at the special meeting. However, even if a quorum does not exist, the holders of a majority of the shares of Cascade Microtech common stock present or represented by proxy at the special meeting and entitled to vote may adjourn the special meeting to another place, date or time. Failure of a quorum to be present at the special meeting will necessitate an adjournment or postponement of the special meeting and will subject Cascade Microtech to additional expense. As of the record date, there were 15,949,492 shares of Cascade Microtech common stock outstanding. Accordingly, 7,974,747 shares of Cascade Microtech common stock must be present or represented by proxy at the special meeting to constitute a quorum.

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Q. What if I abstain from voting on any proposal?

A. If you attend the special meeting or submit a proxy card, but abstain from voting on any proposal, your shares will still be counted for the purpose of determining whether a quorum exists, but will not be voted on any proposal. Applicable law provides that your abstention from voting will have the same effect as a vote **AGAINST** the merger proposal and the adjournment proposal, but will have no effect on the outcome of the named executive officer merger-related compensation proposal.

Q. Will my shares be voted if I do not sign and return my proxy card or vote by telephone or over the internet or in person at the special meeting?

A. If you are a shareholder of record and you do not sign and return your proxy card or vote by telephone, over the internet or in person, your shares will not be voted at the special meeting and will not be counted for purposes of determining whether a quorum exists. The vote to approve the merger proposal is based on the total number of shares of Cascade Microtech common stock outstanding on the record date, not just the votes cast at the special meeting. As a result, if you fail to return your proxy card or otherwise vote your shares at the special meeting, it will have the same effect as a vote **AGAINST** the merger proposal. If a quorum exists at the special meeting, the failure to return your proxy card or otherwise vote your shares at the special meeting will have no effect on the outcome of the named executive officer merger-related compensation proposal or the adjournment proposal.

You will have the right to receive the merger consideration if the merger proposal is approved and the merger is consummated even if your shares are not voted at the special meeting. However, as discussed above, if your shares are not voted at the special meeting, it will have the same effect as a vote **AGAINST** the merger proposal.

Q. My shares are held in street name by my broker. Will my broker automatically vote my shares for me?

A. No. A broker non-vote occurs when (i) your shares are held in street name by brokers, banks or other nominees and (ii) the broker, bank or other nominee submits a proxy card for your shares of Cascade Microtech common stock held in street name but does not vote on a particular proposal because you have not instructed the broker, bank or other nominee regarding how to vote on such proposal and your broker does not have discretionary authority to vote. In the case of a broker non-vote on a particular proposal, your shares will not be voted on that proposal. Because, under applicable rules, brokers, banks and other nominees holding shares in street name do not have discretionary voting authority with respect to any of the three proposals described in this proxy statement/prospectus, broker non-votes, if any, (x) will not be counted as present in person or by proxy at the special meeting for purposes of determining the presence or absence of a quorum unless the broker has been instructed to vote on at least one of the proposals presented in this proxy statement/prospectus and (y) those shares will not be voted on any proposal for which a broker non-vote occurs. The failure to issue voting instructions to your broker, bank or other nominee will have no effect on the outcome of the named executive officer merger-related compensation proposal. However, the vote to approve the merger proposal is based on the total number of shares of Cascade Microtech common stock outstanding on the record date, not just the votes cast at the special meeting. As a result, if you fail to issue voting instructions to your broker, bank or other nominee, it will have the same effect as a vote **AGAINST** the merger proposal. Additionally, the vote on the adjournment proposal is based on the number of votes represented at a meeting of shareholders, not just the votes cast at the

special meeting. As a result, if your shares are represented at the meeting and you do not give voting instructions to your broker, bank or other nominee on the adjournment proposal, it will have the same effect as a vote AGAINST the adjournment proposal.

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Q. Will my shares held in street name or another form of record ownership be combined for voting purposes with shares I hold of record?

A. No. Because any shares you may hold in street name will be deemed to be held by a different shareholder than any shares you hold of record, any shares held in street name will not be combined for voting purposes with shares you hold of record. Similarly, if you own shares in various registered forms, such as jointly with your spouse, as trustee of a trust or as custodian for a minor, you will receive a separate proxy card for those shares and need to vote them separately because they are held in a different form of record ownership. Shares held by a corporation or business entity must be voted by an authorized officer of the entity. Shares held in an individual retirement account must be voted under the rules governing the account.

Q. Am I entitled to exercise dissenters' rights instead of receiving the merger consideration for my shares of Cascade Microtech common stock?

A. No. In accordance with Section 60.554(3) of the Oregon Business Corporation Act, no dissenters' rights will be available to the holders of Cascade Microtech common stock in connection with the merger or the other transactions contemplated by the merger agreement. See Proposal I: The Merger No Dissenters' or Appraisal Rights beginning on page 89 of this proxy statement/prospectus.

Q. What happens if I sell my shares of Cascade Microtech common stock before the consummation of the merger?

A. If you transfer your shares of Cascade Microtech common stock, you will have transferred your right to receive the merger consideration in the merger. In order to receive the merger consideration, you must hold your shares of Cascade Microtech common stock through the consummation of the merger.

Q. Should I send in my stock certificates or other evidence of ownership now?

A. No. After the merger is consummated, you will receive a letter of transmittal from the exchange agent for the merger with detailed written instructions for exchanging your shares of Cascade Microtech common stock for the consideration to be paid to former Cascade Microtech shareholders in connection with the merger. See The Merger Agreement Procedure for Surrendering Cascade Microtech Stock Certificates beginning on page 97 of this proxy statement/prospectus. Do not send in your stock certificates now. If you are the beneficial owner of shares of Cascade Microtech common stock held in street name, you may receive instructions from your broker, bank or other nominee as to what action, if any, you need to take to effect the surrender of such shares.

Q. What does it mean if I get more than one proxy card or voting instruction card?

A.

If your shares are registered differently or are held in more than one account, you will receive more than one proxy card or voting instruction card. Please complete and return all of the proxy cards or voting instruction cards you receive (or submit each of your proxies over the internet or by telephone) to ensure that all of your shares are voted.

Q. What is householding and how does it affect me?

- A. The SEC permits companies to send a single set of proxy materials to any household at which two or more shareholders reside, unless contrary instructions have been received, but only if the applicable company provides advance notice and follows certain procedures. In such cases, each shareholder continues to receive a separate notice of meeting and proxy card. Certain brokerage firms may have instituted householding for beneficial owners of common stock held through brokerage firms. If your family has multiple accounts holding common stock, you may have already received a householding notification from your broker. Please contact your broker directly if you have any questions or require additional copies of this proxy statement/

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prospectus. The broker will arrange for delivery of a separate copy of this proxy statement/prospectus promptly upon your written or oral request. You may decide at any time to revoke your decision to household, and thereby receive multiple copies of proxy materials.

Q. When will Cascade Microtech announce the voting results of the special meeting, and where can I find the voting results?

A. Cascade Microtech intends to announce the preliminary voting results at the special meeting, and will report the final voting results of the special meeting in a Current Report on Form 8-K filed with the SEC. All reports that Cascade Microtech files with the SEC are publicly available on Cascade Microtech's page on the SEC's EDGAR site when filed.

Q: Who can help answer my other questions?

A: If you have questions about the merger, require assistance in submitting your proxy or voting your shares, or need additional copies of this proxy statement/prospectus or the enclosed proxy card, please contact Georgeson LLC, which is acting as the proxy solicitation agent for Cascade Microtech in connection with the merger.

Georgeson LLC

480 Washington Blvd., 26th Floor

Jersey City, New Jersey 07310

Telephone: (866) 413-5899

If your broker, bank or other nominee holds your shares, you should also call your broker, bank or other nominee for additional information.

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SUMMARY

*This summary highlights selected information from this proxy statement/prospectus. It may not contain all of the information that is important to you. You are urged to read carefully the entire proxy statement/prospectus and the other documents referred to in this proxy statement/prospectus in their entirety in order to fully understand the merger agreement and the proposed merger. See *Where You Can Find More Information* beginning on page 136 of this proxy statement/prospectus. Each item in this summary refers to the page of this proxy statement/prospectus on which that subject is discussed in more detail.*

Information about FormFactor, Cascade Microtech and Cardinal Merger Subsidiary, Inc. (See Page 55)

FormFactor, Inc.

FormFactor, Inc., which is referred to in this proxy statement/prospectus as FormFactor, was incorporated in the State of Delaware in 1993. FormFactor helps semiconductor manufacturers test the integrated circuits that power consumer mobile devices, as well as computing, automotive and other applications. FormFactor is one of the world's leading providers of essential wafer test technologies and expertise, with an extensive portfolio of high-performance probe cards for DRAM, Flash and System on Chip devices. Customers use FormFactor's products and services to lower overall production costs, improve their yields and enable complex next-generation integrated circuits. Headquartered in Livermore, California, FormFactor services its customers from a network of facilities in Europe, Asia and North America.

The principal trading market for FormFactor's common stock (NASDAQ: FORM) is the NASDAQ Global Market. The principal executive offices of FormFactor are located at 7005 Southfront Road, Livermore, California 94551; its telephone number is (925) 290-4000; and its website is www.FormFactor.com. The information and other content contained on its website is not incorporated by reference in this proxy statement/prospectus.

Cascade Microtech, Inc.

Cascade Microtech, Inc., which is referred to in this proxy statement/prospectus as Cascade Microtech, was incorporated in the State of Oregon in 1984. Cascade Microtech is a worldwide leader in precision contact, electrical measurement and test of integrated circuits, optical devices and other small structures. For technology businesses and scientific institutions that need to evaluate small structures, Cascade Microtech delivers access to electrical data from wafers, integrated circuits, integrated circuit packages, circuit boards and modules, MEMS, 3D TSV, LED devices and more. Cascade Microtech's leading-edge stations, probes, probe cards, advanced thermal subsystems and integrated systems deliver precision accuracy and superior performance both in the lab and during production manufacturing of high-speed and high-density semiconductor chips.

The principal trading market for Cascade Microtech's common stock (NASDAQ: CSCD) is the NASDAQ Global Market. The principal executive offices of Cascade Microtech are located at 9100 S.W. Gemini Drive, Beaverton, Oregon 97008; its telephone number is (503) 601-1000; and its website is www.cascademicrotech.com. The information and other content contained on its website is not incorporated by reference in this proxy statement/prospectus.

Cardinal Merger Subsidiary, Inc.

Cardinal Merger Subsidiary, Inc., which is referred to in this proxy statement/prospectus as Merger Sub, is an Oregon corporation and a wholly owned subsidiary of FormFactor. Merger Sub was incorporated on February 1, 2016 solely

for the purpose of consummating a merger with Cascade Microtech. Merger Sub has not carried on any activities to date, except for activities incidental to its formation and activities undertaken in connection with the merger.

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The principal executive offices of Merger Sub are located at 7005 Southfront Road, Livermore, California 94551 and its telephone number is (925) 290-4000.

The Merger (See Page 61).

FormFactor, Merger Sub and Cascade Microtech have entered into the Agreement and Plan of Merger, dated as of February 3, 2016, which, as it may be amended from time to time, is referred to in this proxy statement/prospectus as the merger agreement. Subject to the terms and conditions of the merger agreement and in accordance with Oregon law, Merger Sub will be merged with and into Cascade Microtech, with Cascade Microtech continuing as the surviving corporation. Upon completion of this transaction, which is referred to in this proxy statement/prospectus as the merger, Cascade Microtech will be a wholly owned subsidiary of FormFactor, and Cascade Microtech common stock will no longer be publicly traded.

A copy of the merger agreement is attached as Annex A to this proxy statement/prospectus. You should read the merger agreement carefully because it is the legal document that governs the merger.

Special Meeting of Cascade Microtech's Shareholders (See Page 56).

Meeting. The special meeting will be held at the offices of Perkins Coie LLP, located at 1120 N.W. Couch Street, Tenth Floor, Portland, Oregon 97209 on June 23, 2016 at 10:00 a.m., local time. At the special meeting, Cascade Microtech shareholders will be asked to vote on the following proposals:

to approve and adopt the merger agreement, the merger pursuant to merger agreement and the related transactions contemplated by the merger agreement;

to approve the adjournment of the special meeting if necessary to solicit additional proxies if there are not sufficient votes to approve and adopt the merger agreement, the merger pursuant to merger agreement and the related transactions contemplated by the merger agreement at the time of the special meeting; and

to approve, on an advisory (non-binding) basis, the merger-related compensation that will or may be paid to Cascade Microtech's named executive officers in connection with the merger.

Record Date. Only Cascade Microtech shareholders of record at the close of business on May 5, 2016 will be entitled to receive notice of and to vote at the special meeting or any adjournment of the special meeting. As of the close of business on the record date of May 5, 2016, there were 15,949,492 shares of Cascade Microtech common stock outstanding and entitled to vote at the special meeting. Each holder of Cascade Microtech common stock is entitled to one vote for each share of Cascade Microtech common stock owned as of the record date.

Quorum. A quorum of shareholders is necessary to have a valid meeting of Cascade Microtech shareholders. A majority of the shares of Cascade Microtech common stock issued and outstanding and entitled to vote on the record date must be present in person or by proxy at the Cascade Microtech special meeting in order for a quorum to be established. Abstentions and broker non-votes count as present for establishing the quorum described above. A broker may not vote on any of the Cascade Microtech proposals without instructions from the beneficial owner of the shares, and without such instructions a broker non-vote will occur.

Required Vote. Approval and adoption of the merger agreement, the merger pursuant to merger agreement and the related transactions contemplated by the merger agreement, requires the affirmative vote of holders of at least a majority of the outstanding shares of Cascade Microtech common stock entitled to vote thereon.

Approval of the adjournment of the special meeting requires the affirmative vote of holders of a majority of the shares of Cascade Microtech common stock present at the special meeting, in person or by proxy, whether or not a quorum.

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Approval, on an advisory (non-binding) basis, of the merger-related compensation that will or may be paid to Cascade Microtech's named executive officers in connection with the merger will occur if the votes cast in favor of the proposal exceed the votes cast against it.

Stock Ownership of and Voting by Cascade Microtech's Directors and Executive Officers. At the close of business on the record date for the special meeting, Cascade Microtech's directors and executive officers and their affiliates beneficially owned and had the right to vote an aggregate of 2,120,616 shares of Cascade Microtech common stock at the special meeting, which represents approximately 13.3% of the shares of Cascade Microtech common stock then outstanding and entitled to vote at the special meeting.

It is expected that Cascade Microtech's directors and executive officers will vote their shares **FOR** the adoption of the merger agreement, although none of them has entered into any agreement requiring them to do so.

What Cascade Microtech's Shareholders Will Receive in the Merger (See Page 95).

If the merger is consummated, Cascade Microtech's shareholders will be entitled to receive in the merger, for each share of Cascade Microtech common stock that they own, a combination of \$16.00 in cash, without interest (which is referred to in this proxy statement/prospectus as the per share cash consideration), and 0.6534 of a share of FormFactor common stock (which, as adjusted, is referred to in this proxy statement/prospectus as the exchange ratio), in each case subject to adjustment in certain circumstances as described below under the heading "The Merger Agreement Exchange Ratio Adjustment" beginning on page 95 of this proxy statement/prospectus, which together with cash payable in lieu of any fractional shares as described below are collectively referred to in this proxy statement/prospectus as the merger consideration.

FormFactor will not issue any fractional shares of its common stock in the merger. Instead, the total number of shares of FormFactor common stock that each Cascade Microtech shareholder will receive in the merger will be rounded down to the nearest whole number, and each Cascade Microtech shareholder will receive cash, without interest, for any fractional shares of FormFactor common stock that he or she would otherwise receive in the merger. The amount of cash for fractional shares will be calculated by multiplying the fraction of a share of FormFactor common stock that the Cascade Microtech shareholder would otherwise be entitled to receive in the merger by the volume weighted average price for a share of FormFactor common stock on the NASDAQ Global Market for the ten consecutive trading days ending on the trading day immediately preceding the consummation of the merger, which average is referred to in this proxy statement/prospectus as the FormFactor closing VWAP.

Example: Assuming there has been no adjustment to the exchange ratio, if you currently own 100 shares of Cascade Microtech common stock, you will be entitled to receive \$1,600.00 in cash and 65 shares of FormFactor common stock (plus an amount in cash for the market value of 0.34 of a share of FormFactor common stock at the FormFactor closing VWAP) in exchange for your shares, without interest and less any applicable withholding taxes.

The exchange ratio, initially set at 0.6534 of a share of FormFactor common stock for each share of Cascade Microtech common stock, and the related per share cash consideration are only subject to adjustment in the circumstances described below and in "The Merger Agreement Exchange Ratio Adjustment" beginning on page 95 of this proxy statement/prospectus. Such adjustments, if any, are not designed to preserve the value of the stock portion of the merger consideration if the market price of FormFactor common stock or Cascade Microtech common stock changes between the signing of the merger agreement and the consummation of the merger. The value of the stock portion of the merger consideration will depend on the market price of FormFactor common stock at the time Cascade Microtech's shareholders receive FormFactor common stock in the merger. Based on the closing stock price of a share of FormFactor common stock of \$6.70 on the NASDAQ Global Market on May 17, 2016, the most recent practicable

date prior to the date of this proxy statement/prospectus, the value of the merger consideration was \$20.38 per share of Cascade Microtech common stock, which includes the value of the stock portion of the merger consideration of \$4.38 per share and the cash portion of the merger consideration of \$16.00 per share of Cascade Microtech common stock.

The market price of

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FormFactor common stock will fluctuate prior to the merger, and, when received by Cascade Microtech's shareholders after the merger is consummated, could be greater, less than or the same as the current market price of FormFactor common stock or the market price at the time of the Cascade Microtech special meeting.

Exchange Ratio Adjustment (See Page 95).

The exchange ratio, initially set at 0.6534 shares of FormFactor common stock for each share of Cascade Microtech common stock, is subject to adjustment if the number of shares of FormFactor common stock that would be issued to Cascade Microtech common shareholders as part of the merger consideration plus the number of shares that would be subject to assumed equity awards upon consummation of the merger would, in the aggregate, exceed 19.9% of the issued and outstanding shares of FormFactor common stock immediately prior to the consummation of the merger. In such event, the exchange ratio will be reduced to the minimum extent necessary such that the aggregate number of shares issued in the merger or made subject to assumed equity awards using the adjusted exchange ratio would equal 19.9% of the issued and outstanding shares of FormFactor common stock immediately prior to the consummation of the merger. If this adjustment occurs, shareholders of Cascade Microtech common stock will receive an increase in the amount of cash they receive as part of the merger consideration per share equal to the amount by which the exchange ratio is reduced multiplied by the FormFactor closing VWAP. In no event will the exchange ratio be increased above 0.6534 shares of FormFactor common stock, nor will the per share cash consideration be reduced below \$16.00, in connection with an adjustment described in this paragraph. See The Merger Agreement Exchange Ratio Adjustment beginning on page 95 of this proxy statement/prospectus for a discussion of the factors that influence whether there will be an adjustment to the exchange ratio and the degree of any such adjustment, and the impact under certain illustrative scenarios of various changes to those factors.

The exchange ratio and per share cash consideration are also subject to customary adjustments in the event of a recapitalization, stock split or combination, stock dividend or similar change to the capital stock of FormFactor or Cascade Microtech between the date of the merger agreement and the consummation of the merger.

Treatment of Equity Awards (See Page 98).

Upon consummation of the merger:

each option to purchase shares of Cascade Microtech common stock, which is outstanding and vested immediately prior to the consummation of the merger or that vests as a result of the consummation of the merger, will be cancelled and converted into the right to receive an amount in cash, without interest, with respect to each share of Cascade Microtech common stock underlying such option, equal to the excess, if any, of (a) the sum of (i) the per share cash consideration plus (ii) the product of the exchange ratio multiplied by the FormFactor closing VWAP (which sum is referred to in this proxy statement/prospectus as the closing date merger consideration value) over (b) the applicable per share exercise price of such option;

each Cascade Microtech restricted stock unit which is outstanding and vested immediately prior to the consummation of the merger will be cancelled and converted into the right to receive an amount of cash, without interest and with respect to each share of Cascade Microtech common stock underlying such restricted stock unit, equal to the closing date merger consideration value that would be due to each underlying share; and

each option to purchase Cascade Microtech common stock and each Cascade Microtech restricted stock unit which is outstanding and unvested immediately prior to the Merger and that is held by a person who will continue to provide services to the surviving corporation or FormFactor after the consummation of the merger will be assumed by FormFactor on substantially the same terms,

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including the vesting schedule, except that the number of shares of FormFactor common stock subject to such assumed awards and the exercise price of any assumed stock options will be determined pursuant to a formula set forth in the merger agreement intended to preserve the intrinsic value of the original award (see

The Merger Agreement Treatment of Cascade Microtech Equity Awards Assumed Options and The Merger Agreement Treatment of Cascade Microtech Equity Awards Assumed RSU beginning on page 99 of this proxy statement/prospectus).

Recommendation of the Cascade Microtech Board of Directors (See Page 69).

Cascade Microtech's board of directors unanimously determined that the merger agreement, the merger and the related transactions contemplated by the merger agreement are advisable for, fair to and in the best interests of Cascade Microtech and its shareholders and unanimously approved the merger agreement, the merger and the transactions contemplated thereby. The Cascade Microtech board of directors unanimously recommends that Cascade Microtech's shareholders vote **FOR** approval and adoption of the merger agreement, the merger and the related transactions contemplated by the merger agreement. For a description of factors considered by the Cascade Microtech board of directors in reaching its decision to approve and adopt the merger agreement, the merger pursuant to merger agreement and the related transactions contemplated by the merger agreement, see Proposal I: The Merger Cascade Microtech Reasons for the Merger; Recommendation of Cascade Microtech's Board of Directors beginning on page 69 of this proxy statement/prospectus.

The Cascade Microtech board of directors unanimously recommends that Cascade Microtech's shareholders vote **FOR** the Cascade Microtech proposal to adjourn the special meeting, if necessary to solicit additional proxies if there are not sufficient votes to approve and adopt the merger agreement, the merger pursuant to merger agreement and the related transactions contemplated by the merger agreement at the time of the special meeting. See Proposal II: Adjournment of the Cascade Microtech Special Meeting beginning on page 125 of this proxy statement/prospectus.

The Cascade Microtech board of directors unanimously recommends that Cascade Microtech shareholders vote **FOR** the proposal to approve, on an advisory (non-binding) basis, the named executive officer merger-related compensation payments that will or may be paid by Cascade Microtech to its named executive officers in connection with the merger. See Proposal III: Advisory Vote On Named Executive Officer Merger-Related Compensation beginning on page 126 of this proxy statement/prospectus.

Opinion of Cascade Microtech's Financial Advisor (See Page 77).

On February 3, 2016, Stifel, Nicolaus & Company, Incorporated, which is referred to in this proxy statement/prospectus as Stifel, Cascade Microtech's financial advisor, rendered an opinion to Cascade Microtech's board of directors that, based upon and subject to the procedures followed, assumptions made, qualifications, and limitations on the review undertaken and other matters contained in such opinion, the merger consideration of (i) \$16.00 in cash, and (ii) 0.6534 shares of FormFactor's common stock, subject to adjustment and on terms and conditions more fully set forth in the merger agreement, to be received by Cascade Microtech's shareholders in the merger pursuant to the terms of the merger agreement was fair, from a financial point of view, to such holders of Cascade Microtech common stock, as of such date. **The full text of Stifel's written opinion is attached as Annex B to this proxy statement/prospectus. You should read the entire opinion for a discussion of, among other things, the assumptions made, procedures followed, matters considered and limitations on the review undertaken by Stifel in rendering its opinion. Stifel provided its opinion to Cascade Microtech's board of directors (in its capacity as such) for the information and assistance of Cascade Microtech's board of directors in connection with its consideration of the financial terms of the merger. Stifel's opinion does not constitute a recommendation to Cascade Microtech's board of directors as to how the board should vote on the merger agreement, the merger or the related transactions contemplated by the merger agreement or to any shareholder of Cascade**

Microtech as to how any such

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shareholder should vote at Cascade Microtech's special meeting of shareholders or any other shareholders meeting at which the merger is considered. In addition, Stifel's opinion does not compare the relative merits of the merger with any other alternative transactions or business strategies which may have been available to Cascade Microtech and does not address the underlying business decision of Cascade Microtech's board of directors or Cascade Microtech to proceed with or effect the merger. See **Proposal I: The Merger Opinion of Cascade Microtech's Financial Advisor** beginning on page 77 for additional information.

Ownership of FormFactor After the Merger (See Page 61).

Based on the number of shares of Cascade Microtech common stock outstanding as of May 17, 2016, FormFactor expects to issue approximately 10,438,799 shares of its common stock to Cascade Microtech's shareholders pursuant to the merger. The actual number of shares of FormFactor common stock to be issued and reserved for issuance pursuant to the merger will be determined at the consummation of the merger based on the exchange ratio of 0.6534, subject to adjustment in certain circumstances as described below under the heading **The Merger Agreement Exchange Ratio Adjustment** beginning on page 95 of this proxy statement/prospectus, and the number of shares of Cascade Microtech common stock outstanding at such time. Immediately after consummation of the merger, it is expected that former Cascade Microtech's shareholders will own approximately 14.9% of the outstanding FormFactor common stock, based on the number of shares of Cascade Microtech and FormFactor common stock outstanding, as of May 17, 2016.

FormFactor Shareholder Approval Is Not Required.

FormFactor shareholders are not required to approve and adopt the merger agreement, the merger pursuant to merger agreement or the related transactions contemplated by the merger agreement or approve the issuance of the shares of FormFactor common stock in connection with the merger.

Interests of Certain Persons in the Merger (See Page 120).

In considering the recommendation of the Cascade Microtech board of directors with respect to the merger agreement, Cascade Microtech's shareholders should be aware that Cascade Microtech's directors and executive officers have interests in the merger that may be different from, or in addition to, Cascade Microtech's shareholders generally. The Cascade Microtech board of directors was aware of and considered these interests, among other matters, in evaluating and negotiating the merger agreement and in recommending to Cascade Microtech's shareholders that the merger agreement be approved.

These interests and arrangements include:

each executive officer, and one director, of Cascade Microtech currently holds equity awards relating to shares of Cascade Microtech common stock and will receive payment for such equity awards that are vested immediately prior to the merger (or that vest as a result of the consummation of the merger), as described below under the headings **Proposal I: The Merger Interests of Certain Persons in the Merger** and **The Merger Agreement Treatment of Cascade Microtech Equity Awards** beginning on pages 120 and 98, respectively, of this proxy statement/prospectus; and

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cash payments to the executive officers of Cascade Microtech pursuant to short-term cash incentive and retention awards that will be payable in connection with the consummation of the merger;

restrictive covenants to which each executive officer is subject, which will survive the consummation of the merger; and

rights to continuing indemnification, exculpation and directors and officers liability insurance.

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Listing of FormFactor Common Stock and Delisting and Deregistration of Cascade Microtech Common Stock (See Page 91).

FormFactor will apply to have the shares of its common stock to be issued in the merger approved for listing on the NASDAQ Global Market, where FormFactor common stock currently is traded. If the merger is consummated, Cascade Microtech shares will no longer be listed on the NASDAQ Global Market, and will be deregistered under the Securities Exchange Act of 1934, as amended, which is referred to in this proxy statement/prospectus as the Exchange Act.

No Dissenters or Appraisal Rights (See Page 89)

Under Oregon law, Cascade Microtech shareholders are not entitled to dissenters or appraisal rights in connection with any matters to be considered at the Cascade Microtech special meeting. See Proposal I: The Merger No Dissenters or Appraisal Rights beginning on page 89 of this proxy statement/prospectus.

Consummation of the Merger Is Subject to Certain Conditions (See Page 100).

The obligations of each of FormFactor, Cascade Microtech and Merger Sub to consummate the merger is subject to the satisfaction (or, to the extent permitted by applicable law, waiver) of a number of conditions, including the following:

adoption of the merger agreement by holders of a majority of the outstanding shares of Cascade Microtech common stock;

absence of any applicable law or governmental injunction being in effect that prohibits consummation of the merger;

the expiration or termination of any applicable waiting period relating to the merger under the Hart-Scott-Rodino Antitrust Improvements Act of 1976, as amended, and the rules and regulations thereunder, which is referred to in this proxy statement/prospectus as the HSR Act, relating to the merger (which waiting period expired on March 21, 2016);

effectiveness of, and absence of any stop order with respect to, the registration statement on Form S-4 of which this proxy statement/prospectus forms a part; and

approval for the listing on the NASDAQ Global Market of the shares of FormFactor common stock to be issued in the merger.

In addition, the obligations of FormFactor and Merger Sub to consummate the merger are subject to the satisfaction (or, to the extent permitted by applicable law, waiver) of the following conditions:

performance in all material respects by Cascade Microtech of all of its obligations under the merger agreement required to be performed by it at or prior to the effective time of the merger;

the truth and accuracy of the representations and warranties of Cascade Microtech made in the merger agreement, subject to certain materiality thresholds;

FormFactor's receipt of a certificate of an executive officer of Cascade Microtech certifying as to the two preceding bullets;

no restraining order, preliminary or permanent injunction or other similar order by any governmental authority being in effect and no action or proceeding by any governmental authority being instituted or pending, in any such case:

prohibiting, challenging or seeking to make illegal or otherwise directly or indirectly seeking to restrain or prohibit the consummation of the merger;

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seeking to restrain or prohibit FormFactor's ability effectively to exercise full rights of ownership of the stock of the surviving corporation following the consummation of the merger;

seeking to restrain or prohibit FormFactor's ownership or operation of any material portion of the business or assets of FormFactor and its subsidiaries, taken as a whole, or of Cascade Microtech and its subsidiaries, taken as a whole; or

seeking to compel FormFactor or any of its subsidiaries or affiliates to dispose of or hold separate all or any material portion of the business or assets of FormFactor and its subsidiaries, taken as a whole, or of Cascade Microtech and its subsidiaries, taken as a whole; and

no company material adverse effect having occurred. (See The Merger Agreement Definition of Company Material Adverse Effect beginning on page 102 of this proxy statement/prospectus for a definition of company material adverse effect).

In addition, the obligations of Cascade Microtech to consummate the merger are subject to the satisfaction (or, to the extent permitted by applicable law, waiver) of the following conditions:

performance in all material respects by each of FormFactor and Merger Sub of all of their obligations under the merger agreement required to be performed by them at or prior to the effective time of the merger;

the truth and accuracy of the representations and warranties of FormFactor and Merger Sub made in the merger agreement, subject to certain materiality thresholds;

Cascade Microtech's receipt of a certificate of an executive officer of FormFactor certifying as to the two preceding bullets; and

no parent material adverse effect having occurred. (See The Merger Agreement Definition of Parent Material Adverse Effect beginning on page 103 of this proxy statement/prospectus for a definition of parent material adverse effect).

FormFactor and Cascade Microtech cannot be certain when, or if, the conditions to the merger will be satisfied or waived, or that the merger will be consummated.

The Merger May Not Be Consummated Without All Required Regulatory Approvals (See Page 88).

As mentioned above, consummation of the merger is conditioned upon the expiration or early termination of the waiting period relating to the merger under the HSR Act. FormFactor and Cascade Microtech each filed its required HSR notification and report form with respect to the merger on February 18, 2016. The waiting period relating to the merger under the HSR Act expired on March 21, 2016. FormFactor and Cascade Microtech have agreed to use their respective reasonable best efforts to take all actions required to consummate the merger, including effecting all necessary filings, notices, petitions and other documents and obtaining and maintaining all approvals, consents,

authorizations and other confirmations required to be obtained from any governmental authority or other third party, except that neither party is required under the merger agreement to enter into a settlement, consent decree or other agreement with a governmental authority in connection with the merger or divest, hold separate or take any other action with respect to any of its or the surviving corporation's subsidiaries or any portion of their respective affiliate's businesses, assets or properties.

Financing (See Page 92).

The merger agreement is not subject to a financing condition. On February 3, 2016, FormFactor entered into a debt commitment letter pursuant to which HSBC Bank USA, National Association, MUFG Union Bank, N.A., Comerica Bank, and Silicon Valley Bank, which are referred to in this proxy statement/prospectus as the lenders,

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have committed to provide a senior secured term loan facility in an aggregate amount of \$150 million, which is referred to in this proxy statement/prospectus as the term loan facility, to finance in part, the cash consideration for the merger, which is referred to in this proxy statement/prospectus as the financing. The lenders' commitment to provide the term loan facility is subject to certain conditions, including, among others, the execution of definitive financing documentation, the consummation of the merger in accordance with the merger agreement substantially simultaneously with the initial funding of the term loan facility, the absence of a company material adverse effect (see The Merger Agreement Definition of Company Material Adverse Effect beginning on page 102 of this proxy statement/prospectus for a definition of company material adverse effect), a minimum liquidity condition, the delivery to the lenders of certain financial statements and forecasts, perfection of security interests and other customary closing conditions as fully set forth in the commitment letter. For a more complete description of FormFactor's debt financing for the merger, see Proposal I: The Merger Description of Debt Financing beginning on page 92 of this proxy statement/prospectus.

The Merger Is Expected to Occur in Mid-2016 (See Page 95).

The merger will occur within two business days after the conditions to its completion have been satisfied or, to the extent legally permissible, waived, unless otherwise mutually agreed upon by the parties. As of the date of this proxy statement/prospectus, the merger is expected to occur in mid-2016. However, there can be no assurance as to when, or if, the merger will occur.

No Solicitation by Cascade Microtech (See Page 106).

The merger agreement provides that neither Cascade Microtech nor any of its subsidiaries will, and Cascade Microtech and its subsidiaries will not permit or authorize their officers, directors, employees and other representatives to, (i) solicit, initiate or take any action to facilitate or encourage the submission of any competing acquisition proposal from any third party relating to an acquisition of Cascade Microtech (see The Merger Agreement No Solicitation by Cascade Microtech beginning on page 106 of this proxy statement/prospectus for a definition of acquisition proposal), (ii) enter into or participate in any discussions or negotiations regarding any such proposal or furnish any information relating to Cascade Microtech or its subsidiaries to any third party that has made or is seeking to make any such proposal, (iii) fail to make, withdraw or modify in a manner adverse to FormFactor the recommendation of the Cascade Microtech board of directors in favor of the adoption of the merger agreement, recommend for or fail to recommend against any competing acquisition proposal from any third party relating to an acquisition of Cascade Microtech within five business days after such competing acquisition proposal is made public, make any public statement inconsistent with the board recommendation, or publicly propose to do any of the foregoing (any of these activities in this clause (iii) are referred to in this proxy statement/prospectus as an adverse recommendation change), (iv) fail to enforce or grant any waiver or release under a standstill or similar agreement with respect to any equity securities of Cascade Microtech or its subsidiaries, (v) approve any transaction, or any person becoming an interested shareholder under, the Oregon Revised Statutes, Sections 60.825 to 60.845 or cause the Oregon Control Share Act to become applicable to the merger or the transactions contemplated by the merger agreement or (vi) enter into an agreement, letter of intent or similar instrument relating to a competing acquisition proposal. However, the merger agreement provides that, notwithstanding these restrictions and under specified circumstances at any time prior to the adoption of the merger agreement by Cascade Microtech's shareholders:

Cascade Microtech may (i) engage in negotiations or discussions with any third party that has made a superior proposal or a *bona fide* written acquisition proposal that Cascade Microtech's board of directors reasonably believes will lead to a superior proposal (see The Merger Agreement No Solicitation by Cascade

Microtech beginning on page 106 of this proxy statement/prospectus for the definitions of acquisition proposal and superior proposal), (ii) furnish non-public information to such third party pursuant to a confidentiality agreement containing terms no less favorable to Cascade Microtech than the confidentiality agreement between FormFactor and Cascade Microtech (provided

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that all such information has been or will be provided or made available to FormFactor prior to or substantially concurrently with the time it is provided to any such third party) and (iii) take any nonappealable, final action that any court of competent jurisdiction orders Cascade Microtech to take, in each case only if, after consultation with legal counsel, Cascade Microtech's board of directors determines in good faith that failure to take such action would constitute a breach of its fiduciary duties under Oregon law.

Cascade Microtech's board of directors may make an adverse recommendation change either (i) following receipt of a superior proposal or (ii) in response to a material event, change, effect, development or occurrence not related to a competing acquisition proposal and that was not known or reasonably foreseeable, or the material consequences of which were not known or reasonably foreseeable, to Cascade Microtech's board of directors (assuming reasonable consultation with the executive officers of Cascade Microtech) on the date of the merger agreement, which is referred to in this proxy statement/prospectus as an intervening event, in each case only if, after consultation with legal counsel, Cascade Microtech's board of directors determines in good faith that failure to take such action would constitute a breach of its fiduciary duties to Cascade Microtech's shareholders under Oregon law. However, the Cascade Microtech board of directors may not change its recommendation (or terminate the merger agreement to enter into a superior proposal) unless Cascade Microtech notifies FormFactor of its intention to do so at least five business days prior to taking such action, including with such notice (i) in the case of a change in recommendation following receipt of a superior proposal, the most current version of the proposal and the identity of the third party or (ii) in the case of a change in recommendation following an intervening event, a reasonably detailed description of the reasons for making such change in recommendation, and FormFactor does not, within five business days, make an offer that (x) in the case of a change in recommendation following receipt of a superior proposal, is at least as favorable to Cascade Microtech's shareholders as the superior proposal or (y) in the case of a change in recommendation following an intervening event, obviates the need for such recommendation change.

Prior to taking the actions described in the above bullets Cascade Microtech is required by the merger agreement to deliver a written notice to FormFactor and, after taking such actions, must continue to advise FormFactor on a current basis of the status and material terms of any discussions with a third party or, after a competing acquisition proposal is made, the status and material details of such competing acquisition proposal.

Termination of the Merger Agreement (See Page 115).

The merger agreement may be terminated at any time before the consummation of the merger by mutual written consent of FormFactor and Cascade Microtech.

The merger agreement may also be terminated by either FormFactor or Cascade Microtech prior to the consummation of the merger if:

the merger has not been consummated on or before August 4, 2016, subject to extension for up to 90 days as described under "The Merger Agreement Termination of the Merger Agreement" beginning on page 115 of this proxy statement/prospectus, which is referred to in this proxy statement/prospectus as the end date;

there is in effect any applicable law, including any final and non-appealable order of a governmental authority, making consummation of the merger illegal or prohibited or enjoining FormFactor or Cascade

Microtech from consummating the merger; or

Cascade Microtech's shareholders fail to approve and adopt the merger agreement, the merger pursuant to merger agreement and the related transactions contemplated by the merger agreement at the special meeting (or at any adjournment or postponement thereof).

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The merger agreement may also be terminated by FormFactor prior to the consummation of the merger if:

prior to the special meeting, the Cascade Microtech board of directors makes an adverse recommendation change (see The Merger Agreement No Solicitation by Cascade Microtech beginning on page 106 of this proxy statement/prospectus);

at any time after receipt or public announcement of a competing acquisition proposal, the Cascade Microtech board of directors fails to publicly confirm its recommendation in favor of the adoption of the merger agreement within five business days after receipt of a written request to do so from FormFactor;

Cascade Microtech breaches any representation or warranty or fails to perform its obligation under any covenant or agreement in the merger agreement which would cause (i) any of the representations and warranties of Cascade Microtech made in the merger agreement to be incapable of being true and accurate as of the end date as if made on such date (or, in the case of representations and warranties which by their terms address matters only as of another specified time, incapable of being true and accurate as of such time), subject in some cases to certain materiality thresholds or (ii) any such covenants or agreements to be incapable of being performed in all material respects as of the end date; or

Cascade Microtech intentionally and materially breaches its obligation to call and hold a special meeting of its shareholders or its obligation not to solicit competing acquisition proposals or to comply with its obligations to FormFactor with respect to any such proposals.

The merger agreement may also be terminated prior to the consummation of the merger by Cascade Microtech if:

the Cascade Microtech board of directors makes an adverse recommendation change in response to a third party's competing acquisition proposal that it determines constitutes a superior proposal in order to enter into a definitive agreement with respect to such superior proposal, after complying with the notice and other conditions specified in the merger agreement and after payment to FormFactor of the termination fee specified in the merger agreement; or

FormFactor breaches any representation or warranty or fails to perform its obligation under any covenant or agreement in the merger agreement which would cause (i) any of the representations and warranties of FormFactor made in the merger agreement to be incapable of being true and accurate as of the end date as if made on such date (or, in the case of representations and warranties which by their terms address matters only as of another specified time, incapable of being true and accurate as of such time), subject in some cases to certain materiality thresholds or (ii) any such covenants or agreements to be incapable of being performed in all material respects as of the end date.

Under the merger agreement, the making of an adverse recommendation change by the Cascade Microtech board of directors in response to any event other than a superior proposal will not give Cascade Microtech the right to terminate the merger agreement, and, in such case, unless FormFactor terminates the merger agreement or Cascade Microtech has the right to terminate the merger agreement on other grounds, Cascade Microtech would remain obligated to call

and hold a special meeting of its shareholders for purposes of voting on a proposal to approve and adopt the merger agreement, the merger pursuant to merger agreement and the related transactions contemplated by the merger agreement.

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Termination Fees and Expenses (See Page 117).

Cascade Microtech has agreed to pay a fee of \$10,830,000 to FormFactor if the merger agreement is terminated:

by FormFactor, if prior to the special meeting of Cascade Microtech's shareholders, the Cascade Microtech board of directors makes an adverse recommendation change (see "The Merger Agreement - No Solicitation by Cascade Microtech" beginning on page 106 of this proxy statement/prospectus);

by FormFactor, if Cascade Microtech intentionally and materially breaches its obligation to call and hold a special meeting of its shareholders or its obligation not to solicit competing acquisition proposals or to comply with its obligations to FormFactor with respect to any such proposals;

by Cascade Microtech, if, after complying with the notice and other conditions specified in the merger agreement and after payment to FormFactor of the termination fee, the Cascade Microtech board of directors makes an adverse recommendation change in response to a third party's competing acquisition proposal that it determines constitutes a superior proposal and the merger agreement is terminated in order to enter into a definitive agreement with respect to such superior proposal; or

by FormFactor or Cascade, in certain circumstances if the merger has not been consummated on or before the end date, a competing acquisition proposal meeting certain requirements has been publicly announced or otherwise communicated to Cascade Microtech's board of directors or shareholders and within 12 months following the date of termination Cascade Microtech enters into a definitive agreement with respect to or recommends to its shareholders the acquisition proposal.

FormFactor has agreed to pay a fee of \$16,245,000 to Cascade Microtech if the merger agreement is terminated by either FormFactor or Cascade Microtech due to the failure of the merger to be consummated prior to the end date and all conditions to closing have been satisfied or waived other than one or more of the "regulatory conditions" relating to the absence of clearance of the merger under the HSR Act (which clearance was obtained through the expiration of the HSR Act waiting period on March 21, 2016) and as defined in "The Merger Agreement - Termination of the Merger Agreement" beginning on page 115 of this proxy statement/prospectus, except in the case where (x) the failure of any of these regulatory conditions was caused by an intentional and material breach by Cascade Microtech of its obligations with respect to such matters or (y) FormFactor has provided Cascade Microtech with a notice of its intention to extend the end date beyond August 4, 2016 and Cascade Microtech fails to provide its written consent accepting the extension by the second business day after receiving the notice. See "The Merger Agreement - Termination of the Merger Agreement" beginning on page 115 of this proxy statement/prospectus. Because the waiting period under the HSR Act relating to the merger expired on March 21, 2016, FormFactor will not be required to pay a termination fee to Cascade Microtech.

If either party pays the termination fee as described above, then, except in the case of fraud, the termination fee will constitute the other party's sole and exclusive remedy against the paying party and its affiliates, other than any injunctive relief otherwise provided for in the merger agreement.

See "The Merger Agreement - Termination Fee and Expenses" beginning on page 117 of this proxy statement/prospectus for a more complete description of the circumstances under which FormFactor or Cascade Microtech will be required

to pay a termination fee.

Specific Performance; Remedies (See Page 119).

Under the merger agreement, each of FormFactor and Cascade Microtech is entitled to seek an injunction to prevent breaches of the merger agreement or to enforce specifically the terms and provisions of the merger agreement, in addition to any other remedy to which that party may be entitled to at law or in equity.

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Material U.S. Federal Income Tax Consequences (See Page 89).

In general, U.S. Holders (as defined under Proposal I: The Merger Material U.S. Federal Income Tax Consequences) will recognize capital gain or loss for U.S. federal income tax purposes on the exchange of their Cascade Microtech common stock for shares of FormFactor common stock and cash in an amount equal to the difference, if any, between (i) the sum of the fair market value of the FormFactor common stock on the date of the exchange and the amount of cash received (including cash received in lieu of a fractional share of FormFactor common stock) and (ii) the U.S. Holder's adjusted tax basis in the Cascade Microtech common stock surrendered in the exchange.

The U.S. federal income tax consequences described above may not apply to all holders of Cascade Microtech common stock, including certain holders specifically referred to on page 89 of this proxy statement/prospectus. Your tax consequences will depend on your own situation. You should consult your tax advisor to determine the particular tax consequences of the merger to you.

Accounting Treatment (See Page 91).

In accordance with accounting principles generally accepted in the United States, which are referred to in this proxy statement/prospectus as GAAP, FormFactor will account for the merger as an acquisition of a business.

Rights of Cascade Microtech's Shareholders Will Change as a Result of the Merger (See Page 130).

Cascade Microtech's shareholders will have different rights once they become FormFactor stockholders due to differences in applicable law and differences between the organizational documents of FormFactor and Cascade Microtech. These differences are described in more detail under Comparison of Shareholder Rights beginning on page 130 of this proxy statement/prospectus.

Litigation Relating to the Merger (See Page 91).

Two putative class actions have been filed against Cascade Microtech, its directors, FormFactor, and Merger Sub in connection with Cascade Microtech entering into the merger agreement. See Proposal I: The Merger Litigation Relating to the Merger beginning on page 91 of this proxy statement/prospectus.

Table of Contents**SELECTED HISTORICAL CONSOLIDATED FINANCIAL DATA OF FORMFACTOR**

The following consolidated statement of operations data of FormFactor for each of the years ended December 26, 2015, December 27, 2014 and December 28, 2013 and consolidated balance sheet data of FormFactor as of December 26, 2015 and December 27, 2014 has been derived from FormFactor's audited consolidated financial statements and related notes contained in its Annual Report on Form 10-K for the year ended December 26, 2015, which is incorporated by reference in this proxy statement/prospectus. The consolidated statement of operations data of FormFactor for each of the years ended December 29, 2012 and December 31, 2011 and consolidated balance sheet data of FormFactor as of December 28, 2013, December 29, 2012 and December 31, 2011 have been derived from FormFactor's audited consolidated financial statements for such years, which have not been incorporated in this proxy statement/prospectus by reference. The unaudited consolidated statement of operations data of FormFactor for the three months ended March 26, 2016 and March 28, 2015 and unaudited consolidated balance sheet data as of March 26, 2016 and March 28, 2015 are derived from FormFactor's unaudited condensed consolidated financial statements and related notes contained in its Quarterly Report on Form 10-Q for the quarter ended March 26, 2016, which is incorporated by reference into this proxy statement/prospectus. FormFactor's management believes that its unaudited condensed consolidated financial data have been prepared on a basis consistent with its audited financial statements and include all normal and recurring adjustments necessary for a fair presentation of the results for each interim period. Results for past periods are not necessarily indicative of results that may be expected for fiscal year 2016 or for any other period.

	Three Months Ended		Fiscal	Fiscal	Fiscal	Fiscal	Fiscal
	March 26,	March 28,	2015⁽¹⁾⁽³⁾	2014⁽¹⁾⁽²⁾	2013⁽¹⁾⁽²⁾⁽⁴⁾	2012⁽¹⁾⁽²⁾⁽⁵⁾⁽⁷⁾	2011⁽¹⁾⁽²⁾⁽⁵⁾⁽⁶⁾
	2016	2015⁽⁸⁾					
	(unaudited)		(in thousands, except per share data)				
Consolidated Statements of Operations Data:							
Revenues	\$ 53,611	\$ 70,829	\$ 282,358	\$ 268,530	\$ 231,533	\$ 178,535	\$ 169,325
Gross profit	9,792	22,789	85,738	77,439	42,284	25,331	20,958
Net income (loss)	(13,800)	783	(1,523)	(19,185)	(57,683)	(35,546)	(65,981)
Basic net income (loss) per share	\$ (0.24)	\$ 0.01	\$ (0.03)	\$ (0.34)	\$ (1.06)	\$ (0.70)	\$ (1.31)
Diluted net income (loss) per share	\$ (0.24)	\$ 0.01	\$ (0.03)	\$ (0.34)	\$ (1.06)	\$ (0.70)	\$ (1.31)
Consolidated Balance Sheets Data:							
Cash, cash equivalents and marketable securities	\$ 187,183	\$ 171,653	\$ 187,589	\$ 163,837	\$ 151,091	\$ 165,788	\$ 296,691
Working capital	208,689	206,168	214,437	196,412	173,881	194,125	308,380
Total assets	340,528	341,519	342,723	344,243	340,708	395,682	383,071
Capital leases, net of current portion						340	
Total stockholders equity	\$ 286,211	\$ 295,369	\$ 294,681	\$ 289,436	\$ 294,086	\$ 339,258	\$ 346,652
Number of employees	965	915	958	907	961	1,021	709

- (1) Fiscal 2015, 2014, 2013, 2012 and 2011 net losses include restructuring charges, net of \$0.6 million, \$2.7 million, \$4.7 million, \$2.9 million and \$0.5 million, respectively, relating to FormFactor's global restructuring and reorganization actions. See Note 4 *Restructuring Charges* of the Notes to the Consolidated Financial Statements contained in FormFactor's Annual Report on Form 10-K for the year ended December 26, 2015.

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- (2) Fiscal 2014, 2013, 2012 and 2011 net losses include impairment charges of \$1.2 million, \$0.8 million, \$0.4 million and \$0.5 million, respectively. See Note 6 *Impairment of Long-lived Assets* of the Notes to the Consolidated Financial Statements contained in FormFactor's Annual Report on Form 10-K for the year ended December 26, 2015.
- (3) Fiscal 2015 includes the following: a) a \$1.5 million gain from a business interruption insurance claim relating to a factory fire at a customer. See Note-16, *Business Interruption Insurance Claim Recovery* of the Notes to the Consolidated Financial Statements contained in FormFactor's Annual Report on Form 10-K for the year ended December 26, 2015, and b) a \$1.0 million net gain from the sale of intellectual property. See Note 9-*Commitments and contingencies* of the Notes to Consolidated Financial Statements contained in FormFactor's Annual Report on Form 10-K for the year ended December 26, 2015.
- (4) Fiscal 2013 net loss includes \$0.3 million attributable to loss on sale of a subsidiary.
- (5) Fiscal 2012 includes a \$25.5 million tax benefit from the release of deferred tax asset valuation allowances due to deferred tax liabilities established on the acquired identifiable intangible assets from FormFactor's acquisition of Astria Semiconductor Holdings, Inc., including its subsidiary Micro-Probe Incorporated, which we refer to in this proxy statement/prospectus as the MicroProbe acquisition. Additionally, fiscal 2011 includes a \$2.5 million tax benefit from the release of the deferred tax asset valuation allowance for a non-U.S. jurisdiction.
- (6) Fiscal 2011 includes a \$0.3 million net benefit from collections on amounts previously reserved as bad debts.
- (7) Fiscal 2012 includes the following as a result of the MicroProbe acquisition: \$19.8 million in revenue, \$5.4 million in the amortization of intangibles expense, \$2.6 million release of pre-existing backlog, \$0.2 million charge for step-up depreciation on the fair value of fixed assets, resulting in a \$6.4 million net loss. As part of the MicroProbe acquisition, a patent lawsuit was settled with a benefit of \$3.3 million.
- (8) The three months ended March 28, 2015 includes restructuring charges, net of \$0.5 million relating to the modification of an equity-based award. See Note 4 *Restructuring Charges* of the Notes to the Condensed Consolidated Financial Statements (Unaudited) contained in FormFactor's Quarterly Report on Form 10-Q for the quarterly period ended March 26, 2016.

Table of Contents**SELECTED HISTORICAL CONSOLIDATED FINANCIAL DATA OF CASCADE MICROTECH**

The following consolidated statement of operations data of Cascade Microtech for each of the years ended December 31, 2015, 2014 and 2013 and consolidated balance sheet data of Cascade Microtech as of December 31, 2015 and 2014 has been derived from Cascade Microtech's audited consolidated financial statements and related notes contained in its Annual Report on Form 10-K for the year ended December 31, 2015, which is incorporated by reference in this proxy statement/prospectus. The consolidated statement of operations data of Cascade Microtech for each of the years ended December 31, 2012 and 2011 and consolidated balance sheet data of Cascade Microtech as of December 31, 2013, 2012 and 2011 have been derived from Cascade Microtech's audited consolidated financial statements for such years, which have not been incorporated in this proxy statement/prospectus by reference. The unaudited consolidated statement of operations data of Cascade Microtech for the three months ended, March 31, 2016 and 2015 and unaudited consolidated balance sheet data as of March 31, 2016 and 2015, are derived from Cascade Microtech's unaudited condensed consolidated financial statements and related notes contained in its Quarterly Report on Form 10-Q for the quarter ended March 31, 2016, which is incorporated by reference into this proxy statement/prospectus. Cascade Microtech's management believes that its unaudited condensed consolidated financial data have been prepared on a basis consistent with its audited financial statements and include all normal and recurring adjustments necessary for a fair presentation of the results for each interim period. Results for past periods are not necessarily indicative of results that may be expected for fiscal year 2016 or for any other period.

(In thousands, except per share amounts)	Three Months Ended		For the Year Ended December 31,				
	March 31, 2016 ⁽⁶⁾	2015 ⁽⁷⁾	2015 ⁽¹⁾	2014 ⁽¹⁾⁽²⁾	2013 ⁽¹⁾⁽³⁾⁽⁴⁾	2012	2011 ⁽⁵⁾
Statement of Operations Data							
Revenue	\$ 34,803	\$ 31,742	\$ 143,978	\$ 136,022	\$ 120,010	\$ 112,963	\$ 104,610
Cost of sales	14,122	14,720	63,892	65,708	65,286	63,012	63,194
Gross profit	20,681	17,022	80,086	70,314	54,724	49,951	41,416
Operating expenses:							
Research and development	5,144	3,676	16,965	13,821	10,961	11,017	11,807
Selling, general and administrative	12,660	10,547	45,230	43,209	36,430	31,377	33,799
Total operating expenses	17,804	14,223	62,195	57,030	47,391	42,394	45,606
Income (loss) from operations	2,877	2,799	17,891	13,284	7,333	7,557	(4,190)
Other income (expense), net	(76)	217	(1)	(620)	(252)	(749)	572
Income (loss) from continuing operations before income taxes	2,801	3,016	17,890	12,664	7,081	6,808	(3,618)
Provision for (benefit from) income taxes	809	843	5,540	2,734	(6,337)	709	180
Income (loss) from continuing operations	1,992	2,173	12,350	9,930	13,418	6,099	(3,798)
Loss from discontinued operations, net of tax							(2,004)
Net income (loss)	\$ 1,992	\$ 2,173	\$ 12,350	\$ 9,930	\$ 13,418	\$ 6,099	\$ (5,802)

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Basic income (loss) per share from continuing operations	\$	\$	\$ 0.75	\$ 0.61	\$ 0.91	\$ 0.43	\$ (0.26)
Basic loss per share from discontinued operations							(0.14)
Basic net income (loss) per share	\$ 0.13	\$ 0.13	\$ 0.75	\$ 0.61	\$ 0.91	\$ 0.43	\$ (0.40)
Diluted income (loss) per share from continuing operations	\$ 0.12	\$ 0.13	\$ 0.73	\$ 0.59	\$ 0.89	\$ 0.42	\$ (0.26)
Diluted loss per share from discontinued operations							(0.14)
Diluted net income (loss) per share	\$ 0.12	\$ 0.13	\$ 0.73	\$ 0.59	\$ 0.89	\$ 0.42	\$ (0.40)
Shares used in basic per share calculations	15,893	16,523	16,396	16,323	14,792	14,182	14,583
Shares used in diluted per share calculations	16,516	17,037	16,957	16,828	15,150	14,390	14,583

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Balance Sheet Data	March 31,		2015	2014	December 31,		2011
	2016	2015			2013	2012	
	(Unaudited)	(Unaudited)					
Cash and cash equivalents, short-term marketable securities and restricted cash	\$ 38,476	\$ 40,987	\$ 35,775	\$ 39,794	\$ 22,532	\$ 24,318	\$ 14,782
Working capital	76,461	76,066	74,378	70,573	59,708	56,119	47,063
Total assets	135,473	128,278	132,311	130,976	118,511	85,280	83,064
Long-term liabilities	3,894	1,920	3,976	4,435	2,667	3,296	4,473
Shareholders equity	112,924	107,920	109,396	107,461	97,201	65,918	59,297

- (1) Fiscal 2015, 2014 and 2013 operating income includes restructuring charges of \$0.3 million, \$1.2 million and \$0.2 million, respectively.
- (2) Fiscal 2014 operating income includes credits related to 2013 acquisitions of \$0.6 million.
- (3) Fiscal 2013 operating income includes acquisition-related costs of \$1.4 million.
- (4) Fiscal 2013 benefit for income taxes is related to a release of the valuation allowance against deferred tax assets.
- (5) Fiscal 2011 loss from operations includes restructuring charges of \$3.4 million, and factory relocation-related costs of \$1.2 million.
- (6) First quarter 2016 operating income includes acquisition-related costs of \$1.5 million.
- (7) First quarter 2015 operating income includes restructuring charges of \$0.1 million.

Table of Contents**COMPARATIVE HISTORICAL AND UNAUDITED PRO FORMA PER SHARE DATA**

The following table sets forth selected historical and unaudited pro forma combined per share information for FormFactor and Cascade Microtech.

Historical Per Share Information of FormFactor and Cascade Microtech. The historical per share information of each of FormFactor and Cascade Microtech below is derived from the audited consolidated financial statements of FormFactor as of and for the year ended, December 26, 2015 and Cascade Microtech as of and for the year ended, December 31, 2015 and the unaudited condensed consolidated financial statements of FormFactor as of and for the three months ended March 26, 2016 and Cascade Microtech as of and for the three months ended March 31, 2016.

Unaudited Pro Forma Combined FormFactor Common Share Data. The unaudited pro forma combined FormFactor common share data set forth below gives effect to the merger under the acquisition method of accounting, as if the merger had been effective on December 28, 2014, the first day of FormFactor's fiscal year ended December 26, 2015, in the case of income (loss) from operations and cash dividends data and at March 26, 2016, in the case of book value per share data, and assuming that each outstanding share of Cascade Microtech common stock had been converted into shares of FormFactor common stock based on the exchange ratio (0.6534 of a share of FormFactor common stock for each share of Cascade Microtech common stock, assuming no adjustments). The exchange ratio does not include the cash portion of the merger consideration.

The unaudited pro forma combined FormFactor common share data is derived from the audited consolidated financial statements of FormFactor as of and for the year ended, December 26, 2015 and Cascade Microtech as of and for the year ended December 31, 2015 and the unaudited condensed consolidated financial statements of FormFactor as of and for the three months ended March 26, 2016 and Cascade Microtech as of and for the three months ended March 31, 2016.

The acquisition method of accounting is based on Financial Accounting Standards Board, Accounting Standards Codification (which is referred to in this proxy statement/prospectus as ASC) 805, *Business Combinations*, and uses the fair value concepts defined in ASC 820, *Fair Value Measurements and Disclosures*, which FormFactor has adopted as required. Acquisition accounting requires, among other things, that most assets acquired and liabilities assumed be recognized at their fair values as of the acquisition date. The acquisition accounting is dependent upon certain valuations of Cascade Microtech's assets and liabilities and other studies that have yet to commence or progress to a stage where there is sufficient information for a definitive measurement. Accordingly, the pro forma adjustments reflect the assets and liabilities of Cascade Microtech at their preliminary estimated fair values. Differences between these preliminary estimates and the final acquisition accounting will occur, and these differences could have a material impact on the unaudited pro forma combined per share information set forth in the following table.

The unaudited pro forma condensed combined financial information has been presented for informational purposes only. The unaudited pro forma combined FormFactor common share data does not purport to represent the actual results of operations that FormFactor would have achieved had the companies been combined during the given period or to project the future results of operations that FormFactor may achieve after the merger. The unaudited pro forma condensed combined financial information does not reflect the realization of any cost savings following consummation of the merger and also does not reflect any related restructuring and integration charges to achieve those cost savings.

Unaudited Pro Forma Combined Cascade Microtech Equivalent Share Data. The unaudited pro forma combined Cascade Microtech equivalent share data set forth below shows the effect of the merger from the

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perspective of an owner of Cascade Microtech common stock. The information was calculated by multiplying the unaudited pro forma combined FormFactor common share amounts by the exchange ratio of 0.6534 (assuming no adjustments).

You should read the below information in conjunction with the selected historical consolidated financial information included elsewhere in this proxy statement/prospectus and the historical consolidated financial statements of FormFactor and Cascade Microtech and related notes that have been filed with the SEC certain of which are incorporated by reference into this proxy statement/prospectus. See Selected Historical Consolidated Financial Data of FormFactor, Selected Historical Consolidated Financial Data of Cascade Microtech and Where You Can Find More Information beginning on pages 21, 23 and 136, respectively, of this proxy statement/prospectus. The unaudited pro forma combined FormFactor common share data and the unaudited pro forma combined Cascade Microtech equivalent share data is derived from, and should be read in conjunction with, the FormFactor and Cascade Microtech unaudited pro forma condensed combined financial statements and related notes included in this proxy statement/prospectus. See Unaudited Pro Forma Condensed Combined Financial Statements beginning on page 29 of this proxy statement/prospectus.

	As of/For the First Quarter of Fiscal 2016 (Unaudited)	2015	Fiscal 2014	2013
FormFactor Historical Per Common Share Data:				
Net income (loss)	\$ (0.24)	\$ (0.03)	\$ (0.34)	\$ (1.06)
Net income (loss) assuming dilution	\$ (0.24)	\$ (0.03)	\$ (0.34)	\$ (1.06)
Cash dividends				
Book value	\$ 4.90	\$ 5.09	\$ 5.18	\$ 5.43
Pro Forma Combined Per FormFactor Common Share Data:				
Net income (loss)	\$ (0.22)	\$ (0.21)	\$ (0.55)	\$ (1.31)
Net income (loss) assuming dilution	\$ (0.22)	\$ (0.21)	\$ (0.55)	\$ (1.31)
Cash dividends				
Book value	\$ 5.95	\$ 6.14	\$ 6.24	\$ 6.57
Cascade Microtech Historical Per Common Share Data:				
Net income (loss)	\$ 0.13	\$ 0.75	\$ 0.61	\$ 0.91
Net income (loss) assuming dilution	\$ 0.12	\$ 0.73	\$ 0.59	\$ 0.89
Cash dividends				
Book value	\$ 7.11	\$ 6.67	\$ 6.58	\$ 6.57
Pro Forma Combined Per Cascade Microtech Equivalent Common Share Data:				
Net income (loss)	\$ (0.15)	\$ (0.14)	\$ (0.36)	\$ (0.85)
Net income (loss) assuming dilution	\$ (0.15)	\$ (0.14)	\$ (0.36)	\$ (0.85)
Cash dividends				
Book value	\$ 3.89	\$ 4.02	\$ 4.08	\$ 4.30

Table of Contents**COMPARATIVE PER SHARE MARKET PRICE AND DIVIDEND INFORMATION****Market Prices**

The following table sets forth, for the fiscal periods indicated, the high and low sales prices per share for FormFactor common stock and Cascade Microtech common stock as reported on the NASDAQ Global Market, which is the principal trading market for both FormFactor common stock, which is listed under the symbol FORM, and Cascade Microtech common stock, which is listed under the symbol CSCD.

	FormFactor Common Stock		Cascade Microtech Common Stock	
	High	Low	High	Low
2013:				
First Fiscal Quarter	\$ 5.15	4.56	\$ 8.00	\$ 5.62
Second Fiscal Quarter	6.96	4.39	7.20	6.26
Third Fiscal Quarter	7.66	6.00	9.18	6.50
Fourth Fiscal Quarter	6.86	5.00	11.20	8.88
2014:				
First Fiscal Quarter	\$ 7.19	\$ 6.01	\$ 11.39	\$ 8.71
Second Fiscal Quarter	8.09	5.41	13.95	9.00
Third Fiscal Quarter	8.41	6.61	13.91	9.77
Fourth Fiscal Quarter	8.93	6.18	14.89	9.37
2015:				
First Fiscal Quarter	\$ 10.26	\$ 7.55	\$ 14.79	\$ 12.12
Second Fiscal Quarter	9.51	7.97	16.38	12.98
Third Fiscal Quarter	9.20	5.93	16.09	12.27
Fourth Fiscal Quarter	9.13	6.49	17.09	13.60
2016:				
First Fiscal Quarter	\$9.37	\$6.15	\$21.19	\$14.06
Second Fiscal Quarter (through May 17, 2016)	\$8.52	\$6.67	\$21.47	\$19.20

The following table sets forth the closing sale price per share of FormFactor and Cascade Microtech common stock as reported on the NASDAQ Global Market as of February 3, 2016, the last trading day before the public announcement of the merger agreement, and as of May 17, 2016, the most recent practicable trading day prior to the date of this proxy statement/prospectus. The table also shows the implied value of the merger consideration proposed for each share of Cascade Microtech common stock as of the same two dates. This implied value was calculated by multiplying the closing sale price of FormFactor common stock on the relevant date by the exchange ratio of 0.6534 (assuming no adjustments) and adding the cash portion of the merger consideration, or \$16.00 (assuming no adjustments).

FormFactor Common Stock	Cascade Microtech Common Stock	Implied Per Share Value
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			of Merger Consideration
February 3, 2016	\$ 7.85	\$ 15.28	\$ 21.13
May 17, 2016	\$ 6.70	\$ 20.24	\$ 20.38

The market prices of FormFactor and Cascade Microtech common stock may fluctuate between the date of this proxy statement/prospectus and the consummation of the merger. No assurance can be given concerning the market prices of FormFactor or Cascade Microtech common stock before the consummation of the merger or

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FormFactor common stock after the consummation of the merger. Because the exchange ratio is only subject to adjustment in circumstances which are not designed to preserve the value of the stock portion of the merger consideration if the market price of FormFactor common stock or Cascade Microtech common stock changes between the signing of the merger agreement and the completion of the merger, the market value of the FormFactor common stock that Cascade Microtech's shareholders will receive in connection with the merger may vary significantly from the prices shown in the table above. See Unaudited Pro Forma Condensed Combined Financial Statements Note 2. Estimated Cascade Microtech Purchase Consideration and Preliminary Purchase Price Allocation beginning on page 36 of this proxy statement/prospectus and The Merger Agreement Exchange Ratio Adjustment beginning on page 95 of this proxy statement/prospectus. Accordingly, Cascade Microtech's shareholders are advised to obtain current market quotations for FormFactor and Cascade Microtech common stock in deciding whether to vote for adoption of the merger agreement.

Dividends

Neither FormFactor nor Cascade Microtech have ever declared or paid cash dividends on its common stock and each expects to retain all available funds and any future earnings for use in the operation and development of its respective business. Accordingly, neither FormFactor nor Cascade Microtech anticipate declaring or paying cash dividends on its common stock in the foreseeable future.

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UNAUDITED PRO FORMA CONDENSED COMBINED FINANCIAL INFORMATION

Introduction

The following unaudited pro forma condensed combined financial information is presented to illustrate the estimated effects of the pending merger of Merger Sub with and into Cascade Microtech, with Cascade Microtech continuing as the surviving corporation and as a wholly owned subsidiary of FormFactor and the related financing transactions, which were announced on February 4, 2016.

The merger has not yet closed. Under the terms of the merger agreement, FormFactor is offering to acquire each outstanding share of common stock of Cascade Microtech common stock (other than any shares held by any subsidiary of Cascade Microtech or FormFactor, which will be converted into shares of the surviving corporation) in exchange for \$16.00 in cash and 0.6534 of a share of FormFactor common stock, which is referred to in this proxy statement/prospectus as the merger consideration.

Pro Forma Information

The unaudited pro forma condensed combined statements of operations for the three months ended March 26, 2016 and year ended December 26, 2015 combine the historical consolidated statements of operations of FormFactor for the quarter ended March 26, 2016 and for the fiscal year ended December 26, 2015 respectively, and Cascade Microtech for the quarter ended March 31, 2016 and for the fiscal year ended December 31, 2015. The unaudited pro forma condensed combined balance sheet as of March 26, 2016 combines the historical consolidated balance sheet of FormFactor as of March 26, 2016 with Cascade Microtech as of March 31, 2016, giving effect to the merger as if it had occurred on March 26, 2016. The historical consolidated financial information has been adjusted in the unaudited pro forma condensed combined financial information to give effect to pro forma events that are (i) directly attributable to the merger, (ii) factually supportable and (iii) with respect to the statements of operations, expected to have a continuing impact on the combined results. The unaudited pro forma condensed combined financial information has been prepared by FormFactor using the acquisition method of accounting in accordance with GAAP.

The unaudited pro forma condensed combined financial information should be read in conjunction with the accompanying notes to the unaudited pro forma condensed combined financial information. In addition, the unaudited pro forma condensed combined financial information is based on and should be read in conjunction with the following historical consolidated financial statements and accompanying notes, which are incorporated by reference in this proxy statement/prospectus:

separate historical financial statements of FormFactor as of and for the three months ended March 26, 2016 and as of and for the year ended December 26, 2015, and the related notes included in FormFactor's Quarterly Report for the quarter ended March 26, 2016 on Form 10-Q, and the related notes included in FormFactor's Annual Report for the year ended December 26, 2015 on Form 10-K and

separate historical financial statements of Cascade Microtech's as of and for the three months ended March 31, 2016 and as of and for the year ended December 31, 2015, and the related notes included in Cascade Microtech's Quarterly Report for the quarter ended March 31, 2016 on Form 10-Q, and the related notes included in Cascade Microtech's Annual Report for the year ended December 31, 2015 on Form 10-K.

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The unaudited pro forma condensed combined financial information reflects the estimated aggregate consideration of approximately \$350.8 million for the acquisition, as calculated below (in thousands, except number of shares and price per share):

Number of shares of Cascade Microtech common stock issued and outstanding as of May 2, 2016	15,949,492
Multiplied by exchange ratio per the merger agreement	0.6534
Number of shares of FormFactor common stock to be issued*	10,421,398
Multiplied by price of FormFactor common stock*	\$ 7.33
Fair value of shares of common stock to be issued to Cascade Microtech stockholders	\$ 76,389
Cash consideration to be paid to Cascade Microtech shareholders and equity award holders	\$ 269,737
Estimated replacement equity awards attributable to pre-acquisition service	\$ 4,714
Estimated merger consideration	\$ 350,840

* The estimated merger consideration has been determined based on the closing price of FormFactor common stock on May 2, 2016. Pursuant to business combination accounting rules, the final consideration will be based on the number of shares of Cascade Microtech common stock outstanding and the price of FormFactor common stock as of the closing date. The exchange ratio and cash consideration to be paid to Cascade Microtech shareholders and equity award holders assumes no adjustment to the exchange ratio. See the Merger Agreement Exchange Ratio Adjustment beginning as page 95 of this proxy statement/prospectus.

In accordance with the acquisition method of accounting, the actual consolidated financial statements of FormFactor will reflect the Cascade Microtech acquisition only from and after the date of the completion of the acquisition. FormFactor has performed a preliminary valuation analysis of the fair value of Cascade Microtech's assets to be acquired and liabilities to be assumed. The assets and liabilities of Cascade Microtech have been measured based on various preliminary estimates using assumptions that FormFactor believes are reasonable based on information that is currently available. Differences between these preliminary estimates and the final acquisition accounting will occur, and those differences could have a material impact on the accompanying unaudited pro forma condensed combined financial information and the combined company's future results of operations and financial position. The pro forma adjustments are preliminary and have been made solely for the purpose of providing unaudited pro forma condensed combined financial statements prepared in accordance with the rules and regulations of the SEC.

FormFactor intends to commence the necessary valuation and other studies required to complete the acquisition accounting promptly upon consummation of the merger and will finalize the acquisition accounting as soon as practicable within the required measurement period in accordance with Accounting Standards Codification (ASC) Topic 805, but in no event later than one year following consummation of the merger.

The unaudited pro forma condensed combined financial information has been presented for informational purposes only. The unaudited pro forma condensed combined financial information does not purport to represent the actual results of operations that FormFactor and Cascade Microtech would have achieved had the companies been combined during these periods and is not intended to project the future results of operations that the combined company may achieve after the merger. The unaudited pro forma condensed combined financial information does not reflect the realization of any cost savings following consummation of the merger and also does not reflect any related restructuring and integration charges to achieve those cost savings.

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As of March 26, 2016

(in thousands)

	Historical As of 3/26/2016	As of 3/31/2016	Financing, Tax and Other Adjustments	Pro Forma Adjustments	As of 3/26/2016 Pro Forma Consolidated	
	FormFactor	Cascade Microtech	Reclassification Adjustments (Note 1)			
Current assets						
Cash and cash equivalents	\$ 151,913	\$ 34,905	\$	\$ 145,950 (a)	\$ (275,438)(a)	\$ 57,330
Marketable securities	35,270	3,560				38,830
Restricted cash		11	(11)			
Accounts receivable, net	35,743	25,392				61,135
Inventories, net	30,993	25,402			3,988 (b)	60,383
Prepaid expenses and other current assets	4,417	5,846	11			10,274
Total current assets	258,336	95,116		145,950	(271,450)	227,952
Restricted cash	435					435
Property and equipment, net	23,707	13,326			3,383 (c)	40,416
Goodwill	30,731	12,069			145,817 (d)	188,617
Intangibles, net	22,823	8,920			144,803 (e)	176,546
Deferred tax assets	3,339	5,345			(5,070)(f)	3,614
Other assets	1,157	697				1,854
TOTAL ASSETS	340,528	135,473		145,950	17,483	639,434
Current liabilities						
Accounts payable	28,611	7,480				36,091
Accrued liabilities	17,477	8,418			906 (g)	26,801
Income taxes payable	153				684 (f)	837
Deferred revenue	3,406	2,757			(983)(h)	5,180
Current portion of long-term debt					7,425 (i)	7,425
Total current liabilities	49,647	18,655			607	76,334
Long-term debt					142,200 (i)	142,200
Deferred revenue		519	(519)			
	1,026					1,026

Long-term income taxes payable					
Deferred tax liabilities		1,920		(45,978)(f)	49,737 (f)
Deferred rent and other liabilities	3,644	1,455	519		(1,040)(j)
TOTAL LIABILITIES	54,317	22,549		103,647	49,304
229,817					
Commitments and contingencies					
Stockholders' equity:					
Preferred stock					
Common stock	59	159		(148)(k)	70
Additional paid-in capital	723,592	103,616		(22,524)(l)	804,684
Accumulated other comprehensive loss	(1,581)	(4,136)		4,136(m)	(1,581)
Retained earnings (accumulated deficit)	(435,859)	13,285		42,303 (n)	(13,285)(n)
(393,556)					
Total stockholders' equity	286,211	112,924		42,303	(31,821)
409,617					
TOTAL LIABILITIES AND STOCKHOLDERS' EQUITY (DEFICIT)	\$ 340,528	\$ 135,473	\$	\$ 145,950	\$ 17,483
					\$ 639,434

Table of Contents**Unaudited Pro Forma Condensed Combined Statement of Operations****For the three months ended March 26, 2016****(in thousands, except per share amounts)**

	Historical					
	Three Months	Three Months				
	Ended	Ended				
	3/26/2016	3/31/2016				
	FormFactor	Cascade	Reclassification	Financing	Pro	Pro
		Microtech	Adjustments	Adjustments	Forma	Forma
			(Note 1)		Adjustments	Consolidated
Revenues	\$ 53,611	\$ 34,803	\$	\$	\$	\$ 88,414
Cost of revenues	43,819	14,122	412		5,113 (o)	63,466
Gross profit	9,792	20,681	(412)		(5,113)	24,948
Research and development	10,849	5,144			(128)(p)	15,865
Selling, general and administrative	12,516	12,660	(412)	(2,127)(q)	(579)(q)	22,058
Restructuring charges, net						
Impairment of long-lived assets						
Total operating expenses	23,365	17,804	(412)	(2,127)	(707)	37,923
Operating income (loss)	(13,573)	2,877		2,127	(4,406)	(12,975)
Interest income (expense), net	117	11		(938)(r)	(36)(r)	(846)
Other income (expense), net	(314)	(87)				(401)
Income (loss) before income taxes	(13,770)	2,801		1,189	(4,442)	(14,222)
Benefit (expense) from income taxes	(30)	(809)			(404)(s)	(1,243)
Net income (loss)	\$ (13,800)	\$ 1,992	\$	\$ 1,189	\$ (4,846)	\$ (15,465)
Per share information:						
Income (loss) from continuing operations - Basic/diluted	\$ (0.24)					\$ (0.22)

Weighted average shares
outstanding:

Basic/diluted	58,431	68,852(t)
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Table of Contents**Unaudited Pro Forma Condensed Combined Statement of Operations****For the year ended December 26, 2015****(in thousands, except per share amounts)**

	Historical					Fiscal
	Fiscal	Fiscal Year				Year
	Year	Ended				Ended
	Ended	12/26/2015	12/31/2015	12/26/2015		
	FormFactor	Cascade	Reclassification	Financing	Pro	Pro
		Microtech	Adjustments	Adjustments	Forma	Forma
			(Note 1)		Adjustments	Consolidated
Revenues	\$ 282,358	\$ 143,978	\$	\$	\$	\$ 426,336
Cost of revenues	196,620	63,892	1,901		20,351 (o)	282,764
Gross profit	85,738	80,086	(1,901)		(20,351)	143,572
Research and development	44,184	16,965			124 (p)	61,273
Selling, general and administrative	45,090	45,230	(1,901)	(33)(q)	4,971 (q)	93,357
Restructuring charges, net	559					559
Impairment of long-lived assets	8					8
Total operating expenses	89,841	62,195	(1,901)	(33)	5,095	155,197
Operating income (loss)	(4,103)	17,891		33	(25,446)	(11,625)
Interest income (expense), net	285	15		(3,876)(r)	(144)(r)	(3,720)
Other income (expense), net	2,547	(16)				2,531
Income (loss) before income taxes	(1,271)	17,890		(3,843)	(25,590)	(12,814)
Benefit (expense) from income taxes	(252)	(5,540)			4,433 (s)	(1,359)
Net income (loss)	\$ (1,523)	\$ 12,350	\$	\$ (3,843)	\$ (21,157)	\$ (14,173)
Per share information:						
	\$ (0.03)					\$ (0.21)

Income (loss) from
continuing operations -
Basic/diluted

Weighted average shares
outstanding:

Basic/diluted	57,850	68,271(t)
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FormFactor, Inc.

Notes to Unaudited Pro Forma Condensed Combined Financial Information

Note 1. Basis of Pro Forma Presentation

The unaudited pro forma condensed combined financial information is based on FormFactor's and Cascade Microtech's historical consolidated financial statements as adjusted to give effect to the acquisition of Cascade Microtech and the debt issuance necessary to finance the acquisition. The unaudited pro forma condensed combined statements of operations for the three months ended March 26, 2016 and for the year ended December 26, 2015 give effect to the Cascade Microtech acquisition as if it had occurred on December 28, 2014. The unaudited condensed combined pro forma balance sheet as of March 26, 2016 gives effect to the Cascade Microtech acquisition as if it had occurred on March 26, 2016.

The unaudited pro forma condensed combined financial information is prepared in accordance with Article 11 of Regulation S-X. The historical financial information has been adjusted to give effect to transactions that are (i) directly attributable to the merger, (ii) factually supportable and (iii) with respect to the unaudited pro forma condensed combined statement of operations, expected to have a continuing impact on the operating results of the combined company. The historical information of FormFactor and Cascade Microtech is presented in accordance with GAAP. FormFactor is not currently aware of any significant accounting policy differences between FormFactor and Cascade Microtech, other than the pro forma reclassification of the amortization expense for acquired intangible assets from the selling, general and administrative to the cost of revenues as detailed in the reclassification schedule below. The pro forma reclassification of (1) short-term restricted cash to prepaid expenses and other current assets and (2) long term deferred revenues to long-term deferred rent and other liabilities have been made to conform Cascade Microtech's presentation of financial information to FormFactor's presentation. Following the acquisition and during the ASC Topic 805 measurement period, management will conduct a final review of Cascade Microtech's accounting policies in an effort to determine if differences in accounting policies require adjustment or reclassification of Cascade Microtech's results of operations or reclassification of assets or liabilities to conform to FormFactor's accounting policies and classifications. As a result of this review, management may identify differences that, when conformed, could have a material impact on this unaudited pro forma condensed combined financial information.

The acquisition method of accounting is based on ASC Topic 805, Business Combinations, which uses the fair value concepts defined in ASC Topic 820, Fair Value Measurements and Disclosures.

ASC Topic 805 requires, among other things, that assets and liabilities acquired be recognized at their fair values as of the acquisition date. Financial statements of FormFactor issued after completion of the Cascade Microtech acquisition will reflect such fair values, measured as of the acquisition date, which may be different than the estimated fair values included in this unaudited pro forma condensed combined financial information. In addition, ASC Topic 805 establishes that the consideration transferred be measured at the closing date of the Cascade Microtech acquisition at the then-current fair value, which will likely result in acquisition consideration that is different from the amount assumed in this unaudited pro forma condensed combined financial information.

ASC Topic 820 defines the term "fair value" and sets forth the valuation requirements for any asset or liability measured at fair value, expands related disclosure requirements and specifies a hierarchy of valuation techniques based on the nature of the inputs used to develop the fair value measures. Fair value is defined as "the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date." This is an exit price concept for the valuation of the asset or liability. In addition, market participants are assumed to be buyers and sellers unrelated to FormFactor in the principal (or the most advantageous) market for the

asset or liability. Fair value measurements for an asset assume the highest and best use by these market participants. As a result of these standards, FormFactor may be required to record assets

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which are not intended to be used or sold and/or to value assets at fair value measures that do not reflect FormFactor's intended use of those assets. Many of these fair value measurements can be highly subjective and it is also possible that other professionals, applying reasonable judgment to the same facts and circumstances, could develop and support a range of alternative estimated amounts.

Under ASC Topic 805, acquisition-related transaction costs (such as advisory, legal, valuation, other professional fees) are not included as a component of acquisition consideration and are excluded from the unaudited pro forma condensed combined statements of operations. Such costs will be expensed in the historical statements of operations in the periods incurred. FormFactor expects to incur total acquisition-related transaction costs of approximately \$5.8 million and Cascade Microtech expects to incur total acquisition-related transaction costs of approximately \$7.5 million.

The unaudited pro forma condensed combined financial information are presented solely for informational purposes and are not necessarily indicative of the combined results of operations or financial position that might have been achieved for the periods or dates indicated, nor is the unaudited pro forma condensed combined financial information necessarily indicative of the future results of the combined company.

The unaudited pro forma condensed combined financial information does not reflect any cost savings from future operating synergies or integration activities, or any revenue, tax, or other synergies that could result from the acquisition.

Certain reclassification adjustments presented below have been made to Cascade Microtech's historical balance sheet as of March 31, 2016 and consolidated results of operations for the three months ended March 31, 2016 and for the year ended December 31, 2015 to conform to FormFactor's presentation (in thousands):

Balance Sheet as of March 31, 2016

	Before Reclassification	Reclassification	After Reclassification
Prepaid expenses and other current assets		11 ⁽ⁱ⁾	11
Restricted cash	11	(11) ⁽ⁱ⁾	
Deferred rent and other liabilities		519 ⁽ⁱⁱ⁾	519
Deferred revenue	519	(519) ⁽ⁱⁱ⁾	

(i) Represents the reclassification of Restricted cash to the Prepaid expenses and other current assets line item in the table set forth above.

(ii) Represents the reclassification of Deferred revenue to the Deferred rent and other liabilities line item in the table set forth above.

Statement of Operations for the three months ended March 31, 2016**Reclassification**

	Before Reclassification		After Reclassification
Cost of revenues	14,122	412 ⁽ⁱⁱⁱ⁾	14,534
Selling, general and administrative	12,660	(412) ⁽ⁱⁱⁱ⁾	12,248
<i>Statement of Operations for the year ended December 31, 2015</i>			

	Before Reclassification	Reclassification	After Reclassification
Cost of revenues	63,892	1,901 ⁽ⁱⁱⁱ⁾	65,793
Selling, general and administrative	45,230	(1,901) ⁽ⁱⁱⁱ⁾	43,329

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(iii) FormFactor allocates the amortization of acquired intangible assets to both cost of revenue and selling, general and administrative expense, while Cascade Microtech recognizes these costs in selling, general and administrative expense. Therefore, this adjustment conforms the presentation of amortization of acquired intangible assets to FormFactor's presentation.

Note 2. Estimated Cascade Microtech Purchase Consideration and Preliminary Purchase Price Allocation

The following summarizes the preliminary allocation of the purchase price for Cascade Microtech based on the terms of the merger agreement and FormFactor's preliminary estimates of fair value of assets and liabilities as if the acquisition had occurred on May 2, 2016. The final determination of the allocation of the purchase price will be based on the fair value of such assets and liabilities as of the actual merger date (in thousands):

Purchase price allocation	
Cash and cash equivalents	\$ 29,204
Marketable securities	3,560
Accounts receivable	25,392
Inventories	29,390
Prepaid expenses and other current assets	5,857
Property and equipment	16,709
Intangibles	153,723
Deferred tax assets	275
Other assets	697
Total assets	264,807
Accounts payable	7,480
Accrued liabilities	9,324
Income tax payable	684
Deferred revenue	1,774
Deferred tax liabilities	51,657
Deferred rent and other liabilities	934
Total liabilities	71,853
Net assets acquired^(a)	192,954
Estimated purchase consideration ^(b)	350,840
Estimated goodwill^{(b)-(a)}	\$ 157,886

This preliminary purchase price allocation has been used to prepare pro forma adjustments in the unaudited pro forma condensed combined balance sheet and unaudited pro forma condensed combined statement of operations. The final purchase price allocation will be determined when FormFactor has completed the detailed valuations and necessary calculations. The final allocation could differ materially from the preliminary allocation used in the pro forma adjustments. The final allocation may include (1) changes in fair values of property, plant and equipment, (2) changes in allocations to intangible assets such as technology and customer relationships as well as goodwill, and (3) other changes to assets and liabilities.

Estimated goodwill represents the excess of the preliminary estimated purchase price over the estimated fair value of the underlying net assets acquired. Estimated goodwill is not amortized but instead is reviewed for impairment at least annually, absent any indicators of impairment. Goodwill recognized in the merger is not expected to be deductible for tax purposes.

Estimated Purchase Consideration Sensitivity. The table below illustrates the potential impact to the total estimated purchase price for Cascade Microtech resulting from a 10% increase or decrease in the price of

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FormFactor common stock of \$7.33 on May 2, 2016. For the purpose of this calculation, the total number of shares and equity awards (vested and unvested) has been assumed to be the same as in the table above (in thousands):

	Stock Price	Purchase Price	Goodwill
10% increase in FormFactor's share price			
Stock Consideration	\$ 8.06	84,028	
Cash Consideration ^(a)		270,206	
Replacement Award Consideration		4,784	
		\$ 359,018	\$ 166,064
10% decrease in FormFactor's share price			
Stock Consideration	\$ 6.60	68,750	
Cash Consideration ^(a)		269,269	
Replacement Award Consideration		4,650	
		\$ 342,669	\$ 149,715

(a) For pro forma purposes, FormFactor has assumed the cash portion of the transaction will be funded with a combination of available cash as well as a borrowing of approximately \$150.0 million under the term loan facility that FormFactor intends to enter into in connection with the merger pursuant to the debt commitment letter. Borrowing on the term loan facility will fluctuate depending on the timing of the closing of the merger and the available cash at that time. For a more complete description of FormFactor's debt financing for the merger, see Proposal I: The Merger Description of Debt Financing.

Note 3. Pro Forma Adjustments

Balance Sheet Adjustments. The unaudited pro forma adjustments related to Cascade Microtech included in the unaudited pro forma condensed combined balance sheet are as follows (in thousands):

(a) *Cash and cash equivalents*

	March 26, 2016
Cash consideration paid for shares and vested equity awards	\$ (269,737)
Cash provided from borrowing	150,000
Cash paid for debt financing costs	(375)
Estimated Cascade Microtech transaction costs anticipated to be paid concurrent with the closing of the merger	(5,701)
Estimated FormFactor transaction costs anticipated to be paid concurrent with the closing of the merger	(3,675)
Total adjustments to Cash and cash equivalents	\$ (129,488)

(b) Inventory

This adjustment represents the estimated adjustment to step up Cascade Microtech inventory to a fair value of approximately \$29.4 million, an increase of approximately \$4.0 million from the carrying value. The fair value estimate is preliminary and subject to change. The fair value was determined based on the estimated selling price of the inventory, less the remaining manufacturing and selling costs and a normal profit margin on those manufacturing and selling efforts. After the acquisition, the step-up in inventory fair value of approximately \$4.0 million will increase cost of sales over approximately two months as the inventory is sold. This increase is not reflected in the pro forma condensed combined statement of operations because it does not have a continuing impact.

Table of Contents*(c) Property and equipment*

This adjustment represents the estimated adjustment to step up Cascade Microtech property and equipment to a fair value of approximately \$16.7 million, an increase of approximately \$3.4 million from the carrying value. The fair value estimate is preliminary and subject to change.

(d) Goodwill

	March 26, 2016
To eliminate the historical goodwill of Cascade Microtech	\$ (12,069)
To record preliminary goodwill for the purchase consideration in excess of the fair value of net assets acquired in connection with the Cascade Microtech acquisition	157,886
Total adjustments to Goodwill	\$ 145,817

(e) Intangibles

	March 26, 2016	Estimated Useful Life (in years)
To eliminate the historical net book value of Cascade Microtech's intangible assets	\$ (8,920)	
Developed technology	69,070	4-6
In-process research and development	20,700	n/a
Customer contracts and related relationships	32,845	7
Trade names / trademarks / domain names	16,300	7
Order backlog	14,808	1
Total adjustments to Intangibles	\$ 144,803	

Identifiable intangible assets and liabilities acquired include developed technology, customer relationships, trade names, backlog and in-process research and development. In-process research and development will be accounted for as an indefinite-lived intangible asset until the underlying projects are completed or abandoned. The fair value of intangible assets is based on FormFactor's preliminary valuation as of the deemed acquisition date of May 2, 2016. Estimated useful lives (where relevant for the purposes of these unaudited pro forma financial statements) are based on the time periods during which the intangibles are expected to result in incremental cash flows.

(f) Deferred tax asset /liabilities and income tax payable

Reflects the adjustment to deferred income tax assets and liabilities resulting from pro forma fair value adjustments for the assets and liabilities to be acquired and the release of deferred income tax asset valuation allowance of

FormFactor as a result of the U.S.-based acquired taxable temporary differences. This estimate of deferred taxes was determined based on the excess of the estimated fair values of the acquired assets and liabilities over the tax basis of the assets and liabilities to be acquired. The statutory tax rate was applied, as appropriate, to each adjustment based on the jurisdiction in which the adjustment is expected to occur. This estimate of deferred income tax assets and liabilities is preliminary and is subject to change based upon FormFactor's final determination of the fair value of assets acquired and liabilities assumed by jurisdiction.

Table of Contents**Adjustments to non-current deferred tax asset:**

	March 26, 2016
Reversal of historical United States deferred tax assets of Cascade Microtech against deferred tax liabilities arising as a result of the acquisition	\$ (5,070)

Adjustments to non-current deferred tax liabilities:

	March 26, 2016
Fair value adjustments on identifiable intangible assets (see note (e))	\$ 52,164
Fair value adjustments on property, plant and equipment (see note (c))	1,165
Fair value adjustments on inventory (see note (b))	1,379
Fair value adjustments on unfavorable leases and deferred rent (see note (j))	362
Fair value adjustments on deferred revenue (see notes (h) & (j))	413
Fair value of awards assumed attributable to the pre-acquisition periods	(676)
Reversal of historical United States deferred tax assets of Cascade Microtech against deferred tax liabilities arising as a result of the acquisition	(5,070)
Total adjustments to non-current deferred tax liability	\$ 49,737

Release of FormFactor's valuation allowance:

	March 26, 2016
Reversal of valuation allowance related to FormFactor's deferred tax assets due to acquired taxable temporary differences. The deferred tax assets have been reflected as an off-set to the deferred tax liabilities due to the fact both have arisen on account of the Cascade Microtech acquisition and relate to the same tax jurisdiction. Due to the lack of continuing nature of this adjustment, this adjustment has not been reflected in the condensed combined consolidated pro forma statement of operations.	\$ (45,978)

Adjustment to income tax payable:

	March 26, 2016
To record the effect of changes in estimated taxes for the first quarter of fiscal 2016 as a result of the acquisition.	\$ 684

Table of Contents*(g) Accrued liabilities*

	March 26, 2016
To eliminate the historical current deferred rent of Cascade Microtech	\$ (207)
To record fair value of Cascade Microtech payroll tax liability	1,113
Total adjustments to Accrued liabilities	\$ 906

(h) Deferred revenue, current

	March 26, 2016
To eliminate the historical current deferred revenue of Cascade Microtech	\$ (2,757)
To record preliminary fair value of current deferred revenue	1,774
Total adjustments to Deferred revenue	\$ (983)

After the acquisition, this adjustment will not have a continuing impact as the service contracts, extended warranties, and customer deposits are primarily provided over 12 months and, accordingly, have been excluded from the unaudited pro forma condensed combined statement of operations.

(i) Debt

	March 26, 2016
New debt financing	\$ 150,000
Debt issuance cost	(375)
Total adjustments to Long-term debt	\$ 149,625
Current portion of new debt financing	7,425
Long-term portion of new debt financing	142,200

(j) Deferred rent and other liabilities

**March 26,
2016**

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To eliminate the historical non-current deferred rent of Cascade Microtech	\$ (827)
To eliminate the historical non-current deferred revenue of Cascade Microtech	(519)
To record preliminary fair value adjustment of non-current deferred revenue	385
To record preliminary fair value adjustment of unfavorable leases	(79)
Total adjustments to Deferred rent and other liabilities	\$ (1,040)

Table of Contents*(k) Common stock*

	March 26, 2016
To eliminate the historical common stock of Cascade Microtech	(159)
To record the par value of common stock issued by FormFactor in connection with the transaction	10
To record the par value of common stock issued by FormFactor in connection with replacement awards	1
Total adjustment to common stock	(148)

(l) Additional paid-in-capital

	March 26, 2016
To eliminate the historical additional paid-in-capital of Cascade Microtech	\$ (103,616)
To record the additional paid-in-capital for estimated common stock issued by FormFactor in connection with the transaction	76,379
To record the replacement options and restricted stock awards attributable to pre-acquisition services	4,713
Total adjustment to Additional paid-in-capital	\$ (22,524)

(m) Accumulated other comprehensive loss

To eliminate \$4 million of historical accumulated other comprehensive loss of Cascade Microtech.

(n) Retained earnings (accumulated deficit)

	March 26, 2016
To eliminate the historical retained earnings of Cascade Microtech	\$ (13,285)
To record FormFactor estimated transaction costs	(3,675)
To record the tax valuation allowance release	45,978
Total adjustment to retained earnings (accumulated deficit)	\$ 29,018

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Statement of Operations Adjustments. The unaudited pro forma adjustments related to Cascade Microtech included in the unaudited pro forma condensed combined statements of operations for the three months ended March 26, 2016 and for the year ended December 26, 2015 are as follows (in thousands):

(o) Cost of revenues

	Pro Forma Three Months Ended March 26, 2016	Pro Forma Fiscal Year Ended December 26, 2015
To record the net impact of eliminating the historical depreciation and amortization expense related to PP&E and intangible assets included within the operating results of Cascade Microtech as well as adjusting for depreciation and amortization expense related to the fair value adjustments of PP&E and intangible assets as part of purchase accounting	\$ 5,152	\$ 20,393
To record the net decrease to stock based compensation for the difference in the historical stock based expense recorded by Cascade Microtech as compared to the stock based compensation expense for the replacements awards issued by FormFactor	(39)	(42)
Total adjustments to Cost of revenue	\$ 5,113	\$ 20,351

(p) Research and development

	Pro Forma Three Months Ended March 26, 2016	Pro Forma Fiscal Year Ended December 26, 2015
To record the net impact of eliminating the historical depreciation expense related to PP&E assets included within the operating results of Cascade Microtech as well as adjusting for depreciation expense related to the fair value adjustments of PP&E assets as part of purchase accounting	\$ (42)	\$ 224

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To record the net decrease to stock based compensation for the difference in the historical stock based expense recorded by Cascade Microtech as compared to the stock based compensation expense for the replacements awards issued by FormFactor	(86)	(100)
Total adjustments to Research and development	\$ (128)	\$ 124

Table of Contents*(q) Selling, general and administrative*

	Pro Forma Three Months Ended March 26, 2016	Pro Forma Fiscal Year Ended December 26, 2015
To record the net impact of eliminating the historical depreciation and amortization expense related to PP&E and intangible assets included within the operating results of Cascade Microtech as well as adjusting for depreciation and amortization expense related to the fair value adjustments of PP&E and intangible assets as part of purchase accounting	\$ 1,432	\$ 5,834
To record the net decrease to stock based compensation for the difference in the historical stock based expense recorded by Cascade Microtech as compared to the stock based compensation expense for the replacements awards issued by FormFactor	(478)	(628)
To eliminate Cascade Microtech's incurred transaction costs recorded in selling, general and administrative expenses	(1,533)	(235)
To eliminate FormFactor's incurred transaction costs recorded in selling, general and administrative expenses	(2,127)	(33)
Total adjustments to Selling, general and administrative	\$ (2,706)	\$ 4,938

(r) Interest income (expense), net

	Pro Forma Three Months Ended March 26, 2016	Pro Forma Fiscal Year Ended December 26, 2015
To adjust interest income related to the cash paid in connection with the acquisition	\$ (36)	\$ (144)
Debt financing interest expense	(938)	(3,876)
	\$ (974)	\$ (4,020)

Total adjustments to Interest income
(expense), net

A sensitivity analysis on interest expense for the three months ended March 26, 2016 and for the year ended December 26, 2015 has been performed to assess the effect that a change of 12.5 basis points in the hypothetical interest rate would have on the debt financing. The stated interest rate of 2.63% was based on the three month LIBOR rate as of May 2, 2016 plus 2%.

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The following table shows the change in interest expense for the debt financing:

Change in interest expense assuming	Pro Forma Three Months Ended March 26, 2016 (in thousands)	Pro Forma Fiscal Year Ended December 26, 2015 (in thousands)
Increase of 0.125%	\$ 46	\$ 184
Decrease of 0.125%	\$ (46)	\$ (184)

(s) Benefit (expense) from income taxes

The statutory tax rate was applied, as appropriate, to each adjustment based on the jurisdiction in which the adjustment is expected to occur. Although not reflected in the pro forma financial statements, the effective tax rate of the combined company could be significantly different depending on post-acquisition activities, such as the geographical mix of taxable income affecting state and foreign taxes, among other factors. Estimated income tax (benefit) expense included in the pro forma statements of earnings is as follows:

	Pro Forma Three Months Ended March 26, 2016	Pro Forma Fiscal Year Ended December 26, 2015
Benefit from Income taxes		
Reversal of income tax expense recorded in Cascade Microtech due to the availability of net losses from operations of FormFactor	\$	\$ 3,807
Adjustment on account of step-up in amortization of foreign intangible assets (see note (e))	280	626
To record the effect of changes in estimated taxes for the first quarter of fiscal 2016 as a result of the acquisition.	(684)	
Total adjustments to Benefit (expense) from income taxes	\$ (404)	\$ 4,433

(t) Earnings per share

Pro forma earnings per common share are based on historical FormFactor weighted average shares outstanding, adjusted to assume the shares estimated to be issued by FormFactor for the Cascade Microtech acquisition were outstanding for the entire periods presented.

	Pro Forma Three Months Ended March 26, 2016	Pro Forma Fiscal Year Ended December 26, 2015
FormFactor weighted average shares outstanding -basic/diluted	58,431	57,850
FormFactor shares estimated to be issued for Cascade Microtech acquisition	10,421	10,421
Pro forma combined weighted average shares outstanding	68,852	68,271

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CAUTIONARY STATEMENT REGARDING FORWARD-LOOKING STATEMENTS

FormFactor and Cascade Microtech have included in this proxy statement/prospectus and from time to time may make in their public filings, press releases or other public statements, certain statements that constitute forward-looking statements (as that term is defined under Section 21E of the Exchange Act and/or the U.S. Private Securities Litigation Reform Act of 1995). In addition, the management of FormFactor or Cascade Microtech may make forward-looking statements to analysts, investors, representatives of the media and others. In some cases these forward-looking statements can be identified by forward-looking words such as may, might, should, anticipates, expects, intend, plans, seeks, estimates, potential, continue, believes and similar expressions, although some forward-looking statements are expressed differently. Forward looking statements include, among others, statements concerning the impact of the merger on FormFactor's or Cascade Microtech's business, operations, results or financial condition; business strategy; plans or objectives for future operations; the estimates and assumptions underlying the pro forma financial information contained in this proxy statement/prospectus; expectations with respect to the synergies, costs and charges, capitalization and anticipated financial impacts of the merger and related transactions; approval of the merger and related transactions by Cascade Microtech's shareholders; the satisfaction of the closing conditions to the merger; the timing of the consummation of the merger; the terms and availability of the proposed financing of the merger; the number of shares of FormFactor common stock to be issued or reserved in connection with the merger; and other statements contained in this proxy statement/prospectus or public documents of FormFactor and Cascade Microtech that are not historical facts.

Forward-looking statements are not guarantees of performance, are based upon the current expectations and assessments of the respective management of FormFactor and Cascade Microtech and are inherently subject to significant business, economic and competitive uncertainties and contingencies, many of which are beyond the control of FormFactor and Cascade Microtech. In addition, these forward-looking statements are subject to assumptions with respect to future business strategies and decisions that are subject to change. Accordingly, actual results may differ materially from the results discussed in forward-looking statements. In addition to the risks described under Risk Factors beginning on page 47 of this proxy statement/prospectus and those risks described in documents that are incorporated by reference in this proxy statement/prospectus, the following factors, among others, could cause such differences:

the timing to consummate the merger;

the risk that a condition to consummation of the merger may not be satisfied;

the risk that a regulatory approval that may be required for the merger is delayed, is not obtained or is obtained subject to conditions that are not anticipated;

the availability and terms of the proposed financing arrangements for the merger;

the possibility that the anticipated benefits and synergies from the merger cannot be fully realized or take longer to realize than expected;

FormFactor's ability to promptly and effectively integrate Cascade Microtech's businesses, products and technologies;

the diversion of management time and attention on merger-related issues;

FormFactor's ability to retain key personnel following the consummation of the merger and Cascade Microtech's ability to attract and retain qualified employees pending the consummation of the merger; or

the existence of unanticipated contingent liabilities associated with Cascade Microtech's business.

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The forward-looking statements in this proxy statement/prospectus speak only as of the time they are made and do not necessarily reflect the outlook of FormFactor or Cascade Microtech or members of their respective management teams at any other point in time. FormFactor and Cascade Microtech expressly disclaim any obligation to publicly update any forward-looking statements, whether as a result of new information, future events or for any other reason. However, readers should carefully review the risk factors set forth in and incorporated by reference in this proxy statement/prospectus. All subsequent written and oral forward-looking statements concerning FormFactor, Cascade Microtech, the merger, the related transactions or other matters attributable to FormFactor or Cascade Microtech or any person acting on their behalf are expressly qualified in their entirety by the cautionary statements above. You should consider these risks and uncertainties in evaluating forward-looking statements and you should not place undue reliance on these statements.

Table of Contents**RISK FACTORS**

*In addition to the other information contained or incorporated by reference in this proxy statement/prospectus, including the matters addressed in **Cautionary Statement Regarding Forward-Looking Statements** beginning on page 45 of this proxy statement/prospectus, you should carefully consider the following risk factors in determining whether to vote for the adoption of the merger agreement. You should also read and consider the risk factors associated with each of the businesses of FormFactor and Cascade Microtech because these risk factors may affect the business, results of operations, financial condition and stock price of the combined company. These risks are described, for FormFactor, under the caption **Risk Factors** and elsewhere in FormFactor's Annual Report on Form 10-K for the year ended December 26, 2015 and, for Cascade Microtech, under the caption **Risk Factors** and elsewhere in Cascade Microtech's Annual Report on Form 10-K for the year ended December 31, 2015, each of which is on file with the SEC and both of which are incorporated by reference in this proxy statement/prospectus.*

Because the exchange ratio is only subject to adjustment in limited circumstances and the market price of FormFactor common stock will fluctuate, you cannot be sure of the value of the merger consideration you will receive.

Upon the consummation of the merger, each share of Cascade Microtech common stock outstanding immediately prior to the merger (other than those shares held by FormFactor or by any subsidiary of Cascade Microtech or FormFactor) will be converted into the right to receive \$16.00 in cash, without interest, and 0.6534 of a share of FormFactor common stock, subject to adjustment in certain circumstances as described below under **The Merger Agreement Exchange Ratio Adjustment** beginning on page 95 of this proxy statement/prospectus. The exchange ratio is only subject to adjustment in the circumstances described in **The Merger Agreement Exchange Ratio Adjustment**. Such adjustments, if any, are not designed to preserve the value of the stock portion of the merger consideration in the face of changes in the market price of FormFactor common stock or Cascade Microtech common stock between the signing of the merger agreement and the consummation of the merger. Based on the closing stock price of a share of FormFactor common stock of \$6.70 on the NASDAQ Global Market on May 17, 2016, the most recent practicable date prior to the date of this proxy statement/prospectus, the value of the merger consideration was \$20.38 per share of Cascade Microtech common stock, which includes the value of the stock portion of the merger consideration of \$4.38 per share and the cash portion of the merger consideration of \$16.00 per share of Cascade Microtech common stock. The value of the stock portion of the merger consideration may vary from the date of the announcement of the merger agreement, the date that this proxy statement/prospectus was mailed to Cascade Microtech's shareholders, the date of the Cascade Microtech special meeting, the date the merger is consummated and thereafter. Accordingly, at the time of the Cascade Microtech special meeting, Cascade Microtech's shareholders will not know or be able to determine the market value of the merger consideration they would receive upon consummation of the merger. Stock price changes may result from a variety of factors, including, among others, general market and economic conditions, changes in FormFactor's and Cascade Microtech's respective businesses, operations and prospects, market assessments of the likelihood that the merger will be consummated, the timing of the merger and regulatory considerations. Many of these factors are beyond FormFactor's and Cascade Microtech's control.

The market price of FormFactor common stock after the merger may be affected by factors different from those affecting shares of Cascade Microtech common stock currently.

Upon consummation of the merger, holders of Cascade Microtech common stock will become holders of FormFactor common stock. The businesses of FormFactor differ from those of Cascade Microtech in important respects, including geography, product offerings and target markets. Accordingly, the results of operations of FormFactor after the merger, as well as the market price of its common stock, may be affected by factors different from those currently affecting the independent results of operations of Cascade Microtech and its common stock. For further information

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on the businesses of FormFactor and Cascade Microtech and certain factors to consider in connection with those businesses, see the documents incorporated by reference in this proxy statement/prospectus and referred to under **Where You Can Find More Information** beginning on page 136 of this proxy statement/prospectus.

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After consummation of the merger, FormFactor may fail to realize the anticipated benefits and cost savings of the merger, which could adversely affect FormFactor's results of operations and the value of FormFactor common stock.

The success of the merger will depend, in part, on FormFactor's ability to realize the anticipated benefits and cost savings from combining the businesses of FormFactor and Cascade Microtech. The ability of FormFactor to realize these anticipated benefits and cost savings is subject to certain risks including:

FormFactor's ability to successfully combine the businesses of FormFactor and Cascade Microtech;

whether the combined businesses will perform as expected;

the possibility that FormFactor paid more for the acquisition of Cascade Microtech than the value it will derive from the acquisition;

the reduction of FormFactor's cash available for operations and other uses and the incurrence of indebtedness to finance the acquisition; and

the assumption of certain known and unknown liabilities of Cascade Microtech.

If FormFactor is unable to successfully combine the businesses of FormFactor and Cascade Microtech within the anticipated time frame, or at all, (i) the anticipated benefits and cost savings of the merger may not be realized fully, or at all, or may take longer to realize than expected, (ii) the combined businesses may not perform as expected and (iii) the value of the FormFactor common stock (including the stock portion of the merger consideration and shares of FormFactor common stock underlying the equity awards assumed in connection with the merger) may be adversely affected.

FormFactor and Cascade Microtech have operated and, until the consummation of the merger, will continue to operate, independently, and there can be no assurances that their businesses can be integrated successfully. It is possible that the integration process could result in the loss of key FormFactor and Cascade Microtech employees, the disruption of either company's ongoing businesses, unexpected integration issues, higher than expected integration costs or an overall post-closing integration process that takes longer than originally anticipated. Specifically, issues that must be addressed in integrating the operations of Cascade Microtech into FormFactor's operations in order to realize the anticipated benefits and cost savings of the merger so the combined business performs as expected, include, among other things:

combining the companies' sales, manufacturing, marketing, distribution, purchasing, operations and research and development functions;

integrating the companies' technologies, products and services;

identifying and eliminating redundant or underperforming operations and assets;

harmonizing the companies' operating practices, employee development and compensation programs, internal controls and other policies, procedures and processes;

addressing possible differences in business backgrounds, corporate cultures and management philosophies;

consolidating the companies' corporate, administrative and information technology infrastructure;

coordinating sales, distribution and marketing efforts;

managing the movement of certain positions to different locations;

maintaining existing agreements with customers, suppliers and distributors, including with those currently shared by the companies, and avoiding delays in entering into new agreements with prospective customers, suppliers and distributors; and

coordinating the combined organization across dispersed geographic locations.

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In addition, at times, the attention of certain members of each company's management and resources may be focused on the consummation of the merger and the integration of the businesses of the two companies and diverted from day-to-day business operations or other strategic planning, which may disrupt each company's ongoing business and the business of the combined company.

FormFactor and Cascade Microtech may have difficulty attracting, motivating and retaining executives and other key employees in light of the merger.

Uncertainty about the effect of the merger on FormFactor and Cascade Microtech employees may have an adverse effect on FormFactor and Cascade Microtech and, consequently, the combined business. This uncertainty may impair FormFactor's and Cascade Microtech's ability to attract, retain and motivate key personnel until the merger is consummated. Employee retention may be particularly challenging during the pendency of the merger, as employees of FormFactor and Cascade Microtech may experience uncertainty about their future roles with the combined business. Additionally, Cascade Microtech's officers and employees own shares of Cascade Microtech's common stock and/or have vested stock options and restricted stock units and, if the merger is consummated (and in the case of vested options, if such vested options are exercised prior to consummation of the merger), are therefore entitled to a portion of the merger consideration, the payment of which could provide sufficient financial incentive for certain officers and employees to no longer pursue employment with the combined business. Additionally, pursuant to the change-in-control severance agreements in place between Cascade Microtech and certain key employees of Cascade Microtech, a key employee may decide to terminate his or her employment for "good reason" if there are certain changes in the key employee's duties, target incentives or benefits or work location following the merger, after which the key employee would be entitled to certain payments under the change-in-control severance agreement. If key employees of FormFactor or Cascade Microtech depart because of issues relating to the uncertainty and difficulty of integration, financial incentives or a desire not to become employees of the combined business, FormFactor may have to incur significant costs in identifying, hiring and retaining replacements for departing employees, which could reduce FormFactor's ability to realize the anticipated benefits of the merger.

The merger will not be consummated unless important conditions are satisfied.

The obligations of FormFactor and Cascade Microtech to consummate the merger are subject to satisfaction or waiver of a number of conditions including, among others, approval and adoption of the merger agreement, the merger and the related transactions contemplated by the merger agreement by the Cascade Microtech shareholders; the absence of applicable law or injunction prohibiting the merger; expiration or termination of the applicable waiting period under the HSR Act (which waiting period expired on March 21, 2016); the effectiveness of this registration statement on Form S-4 of which this proxy statement/prospectus forms a part; and approval of the listing on the NASDAQ of the FormFactor common stock to be issued in connection with the merger. Each party's obligation to consummate the merger is subject to the satisfaction or waiver (to the extent permitted under applicable law) of certain additional conditions, including the accuracy of the representations and warranties of the other party under the merger agreement (subject to the materiality standards set forth in the merger agreement), the absence of a material adverse effect on the other party to the merger agreement and the performance by the other party of its respective obligations under the merger agreement in all material respects.

For a more complete description of the conditions that must be satisfied or waived prior to completion of the merger, see "The Merger Agreement - Conditions to the Merger" beginning on page 100 of this proxy statement/prospectus.

Many of the conditions to closing of the merger are not within FormFactor's or Cascade Microtech's control, and neither company can predict when or if these conditions will be satisfied. If any of these conditions are not satisfied or waived prior to August 4, 2016, it is possible that the merger agreement will be terminated. Obtaining satisfaction of

all of the required conditions could delay the completion of the merger for a significant period of time or prevent it from occurring. Any delay in completing the merger could cause FormFactor not to

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realize some or all of the benefits that FormFactor expects to achieve if the merger is successfully consummated within its expected timeframe. Further, there can be no assurance that the conditions to the closing of the merger will be satisfied or waived or that the merger will be consummated.

FormFactor's and Cascade Microtech's business relationships may be subject to disruption due to uncertainty associated with the merger.

Parties with which FormFactor and Cascade Microtech do business may experience uncertainty associated with the transaction, including with respect to current or future business relationships with FormFactor, Cascade Microtech or the combined business. FormFactor's and Cascade Microtech's business relationships may be subject to disruption as customers, suppliers, distributors and others may attempt to negotiate changes in existing business relationships or consider entering into business relationships with parties other than FormFactor, Cascade Microtech or the combined business. These disruptions could have an adverse effect on the businesses, financial condition, results of operations or prospects of the combined business. The adverse effect of such disruptions could be increased by a delay in the consummation of the merger or by termination of the merger agreement.

Certain of Cascade Microtech's executive officers and directors have interests in the merger that may be different from your interests as a shareholder of Cascade Microtech.

When considering the recommendation of Cascade Microtech's board of directors that Cascade Microtech's shareholders vote in favor of the adoption of the merger agreement, you should be aware that certain of the executive officers and directors of Cascade Microtech have interests in the merger that may be different from, or in addition to, your interests as a shareholder of Cascade Microtech. In particular, under the merger agreement, the officers and directors of Cascade Microtech have been granted rights to continued indemnification and insurance coverage after the consummation of the merger, certain officers of Cascade Microtech will receive payments in connection with the merger or have the vesting of their equity awards accelerated, one Cascade Microtech director will have the vesting of his equity awards accelerated and one Cascade Microtech director will be appointed to the board of directors of FormFactor following consummation of the merger. See [Interests of Certain Persons in the Merger](#) beginning on page 120 of this proxy statement/prospectus for a further description of these interests. Cascade Microtech's board of directors was aware of these interests and considered them, among other things, in evaluating and negotiating the merger agreement and the merger and in recommending that Cascade Microtech's shareholders approve and adopt the merger agreement, the merger pursuant to merger agreement and the related transactions contemplated by the merger agreement.

The merger agreement limits Cascade Microtech's ability to pursue alternatives to the merger.

The merger agreement contains provisions that make it more difficult for Cascade Microtech to sell its business to a party other than FormFactor. These provisions include a general prohibition on Cascade Microtech soliciting any competing acquisition proposal from another party. In addition, there are only limited exceptions to Cascade Microtech's agreement that Cascade Microtech's board of directors will not withdraw or modify in a manner adverse to FormFactor the recommendation of the Cascade Microtech board of directors in favor of the adoption of the merger agreement, and FormFactor generally has a right to match any competing acquisition proposals that may be made by a third party. Although Cascade Microtech's board of directors is permitted to take these actions and, in certain circumstances, Cascade Microtech may terminate the merger agreement if the board of directors determines in good faith that the failure to take such action would constitute a breach of its fiduciary duties to Cascade Microtech's shareholders under Oregon law, doing so in specified situations could require Cascade Microtech to pay to FormFactor a termination fee of \$10,830,000 and/or expose Cascade Microtech to claims by FormFactor for damages. See [The Merger Agreement - No Solicitation by Cascade Microtech](#), [The Merger Agreement - Termination of the Merger](#)

Agreement and The Merger Agreement Termination Fees and Expenses beginning on pages 106, 115 and 117, respectively, of this proxy statement/prospectus.

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While Cascade Microtech believes these provisions are reasonable and do not preclude other offers, the provisions might discourage a third party that has an interest in acquiring all or a significant part of Cascade Microtech from considering or proposing that acquisition, even if that party were prepared to pay consideration with a higher value per share than FormFactor's currently proposed merger consideration. In addition, the termination fee may result in a potential competing acquirer proposing to pay a lower per-share price to acquire Cascade Microtech than it might otherwise have proposed to pay because of the added expense of the \$10,830,000 termination fee that may become payable in certain circumstances.

Failure to consummate the merger could negatively impact the stock price and the future business, operating results and financial condition of FormFactor and Cascade Microtech.

If the merger is not consummated, the ongoing businesses of FormFactor and Cascade Microtech may be adversely affected and, without realizing any of the benefits of having consummated the merger, FormFactor and Cascade Microtech would be subject to a number of risks which may adversely affect FormFactor's or Cascade Microtech's businesses, operating results, financial condition or stock price, including the following:

FormFactor and Cascade Microtech may experience negative reactions from the financial markets and from their respective customers, suppliers, distributors and employees;

Cascade Microtech may be required to pay FormFactor a termination fee of \$10,830,000 if the merger is terminated under certain circumstances (see "The Merger Agreement - Termination Fees and Expenses" beginning on page 117 of this proxy statement/prospectus);

FormFactor and Cascade Microtech have incurred and will incur certain costs relating to the merger that they will be required to pay, whether or not the merger is consummated;

the merger agreement places certain restrictions on the conduct of Cascade Microtech's business prior to the consummation of the merger or the termination of the merger agreement. Such restrictions, the waiver of which is subject to the consent of FormFactor (not to be unreasonably withheld, conditioned or delayed), may prevent Cascade Microtech from making certain acquisitions, taking certain other specified actions or otherwise pursuing business opportunities while the merger is pending (see "The Merger Agreement - Conduct of Business Pending the Merger" beginning on page 104 of this proxy statement/prospectus for a description of the restrictive covenants applicable to Cascade Microtech); and

matters relating to the merger (including integration planning) will require substantial commitments of time and resources by FormFactor and Cascade Microtech management, which would otherwise have been devoted to day-to-day operations or other opportunities that may have been beneficial to either FormFactor or Cascade Microtech as an independent company.

In addition, FormFactor and Cascade Microtech could be subject to litigation related to any failure to consummate the merger or related to any enforcement proceeding commenced against FormFactor or Cascade Microtech to perform their respective obligations under the merger agreement. If the merger is not consummated, these risks may materialize and may adversely affect FormFactor's and Cascade Microtech's business, operating results, financial

condition and stock price.

The shares of FormFactor common stock to be received by Cascade Microtech's shareholders upon the consummation of the merger will have different rights from shares of Cascade Microtech common stock.

Upon consummation of the merger, Cascade Microtech's shareholders will no longer be shareholders of Cascade Microtech, an Oregon corporation, but will instead become shareholders of FormFactor, a Delaware corporation, and their rights as shareholders will be governed by Delaware law and FormFactor's amended and restated certificate of incorporation and amended and restated bylaws. The terms of Delaware law and FormFactor's amended and restated certificate of incorporation and amended and restated bylaws are in some

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respects materially different than the terms of Oregon law and Cascade Microtech's articles of incorporation and bylaws, which currently govern the rights of Cascade Microtech's shareholders. See "Comparison of Shareholder Rights" beginning on page 130 of this proxy statement/prospectus for a discussion of the different rights associated with FormFactor common stock.

Cascade Microtech's shareholders will have a significantly reduced ownership and voting interest after the merger and will exercise less influence over management.

Immediately after the consummation of the merger, it is expected that former Cascade Microtech's shareholders, who collectively own 100% of Cascade Microtech, will own approximately 14.9% of FormFactor, based on the number of shares of Cascade Microtech and FormFactor common stock outstanding, as of May 17, 2016. Consequently, Cascade Microtech's shareholders will have less influence over the management and policies of FormFactor than they currently have over the management and policies of Cascade Microtech.

FormFactor may encounter difficulties or high costs associated with securing financing necessary to pay the cash portion of the merger consideration.

FormFactor currently intends to finance the cash portion of the merger consideration through cash on hand and debt financing. FormFactor has entered into a debt commitment letter pursuant to which the lenders have committed to provide a senior secured term loan facility in an aggregate amount of \$150 million to finance in part the cash portion of the merger consideration. However, the lenders' commitment to provide the credit facility is subject to certain conditions, including, among others: the execution of definitive financing documentation; the consummation of the merger in accordance with the merger agreement; the absence of a company material adverse effect (see "The Merger Agreement - Definition of Company Material Adverse Effect" beginning on page 102 of this proxy statement/prospectus for a definition of company material adverse effect); a minimum liquidity condition; and other customary closing conditions. The receipt of financing by FormFactor is not a condition to the consummation of the merger and FormFactor will be required to consummate the merger (assuming that all of the conditions to its obligations under the merger agreement are satisfied), whether or not the term loan facility contemplated by the debt commitment letter or other financing are available on acceptable terms, or at all. To the extent that FormFactor is not able to obtain financing through the term loan facility contemplated by the debt commitment letter or other sources when it is required to consummate the merger pursuant to the merger agreement, FormFactor may be financially strained by its payment obligations. Any alternative debt financing that FormFactor may seek may only be available on terms that are more expensive or otherwise less favorable to FormFactor and any alternative equity financing that FormFactor may seek would be dilutive to FormFactor's equityholders. Additionally, there is no guarantee that alternative sources would provide the full amount of financing sought, or be available at all. For a more complete description of FormFactor's debt financing for the merger, see the section entitled "Proposal I: The Merger - Description of Debt Financing" beginning on page 92 of the proxy statement/prospectus.

The use of cash and incurrence of substantial indebtedness in connection with the financing of the merger may have an adverse impact on FormFactor's liquidity, limit FormFactor's flexibility in responding to other business opportunities and increase FormFactor's vulnerability to adverse economic and industry conditions.

The merger will be financed in part by the use of FormFactor's cash on hand and the incurrence of a significant amount of indebtedness. As of March 26, 2016, FormFactor had approximately \$151.9 million of cash and cash equivalents, approximately \$35.3 million of short-term investments and no debt outstanding. In connection with the merger, FormFactor expects to enter into a new senior secured term loan facility in an aggregate principal amount of \$150 million to finance in part the cash portion of the merger consideration. The use of cash on hand and indebtedness to finance the cash portion of the merger consideration will reduce FormFactor's liquidity and cause FormFactor to place

more reliance on cash generated from operations to pay principal and interest on FormFactor's debt, thereby reducing the availability of FormFactor's cash flow for working capital and capital expenditure needs or to pursue other potential strategic initiatives. The term loan

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facility provided to FormFactor will contain financial covenants requiring FormFactor to maintain a certain leverage ratio of consolidated total indebtedness to EBITDA and a fixed charge interest ratio. In addition, it will also impose limitations on FormFactor's ability to incur liens and indebtedness or to pay dividends, make certain investments or dispose of assets (in each case, subject to customary exceptions). FormFactor's ability to comply with these financial and restrictive covenants can be affected by events beyond its control. The indebtedness and these restrictive covenants will also have the effect, among other things, of limiting FormFactor's ability to obtain additional financing, if needed, limiting its flexibility in the conduct of its business and making FormFactor more vulnerable to economic downturns and adverse competitive and industry conditions. In addition, a breach of the financial or restrictive covenants, among other things, could result in an event of default with respect to the term loan facility, which, if not cured or waived, could result in the term loan facility becoming immediately due and payable and could have a material adverse effect on FormFactor's business, financial condition and results of operations.

FormFactor and Cascade Microtech will incur significant transaction and merger-related costs in connection with the merger.

Each of FormFactor and Cascade Microtech expects to incur a number of non-recurring costs associated with the merger and, if consummated, FormFactor will incur significant additional costs in combining the operations of the two companies following the merger. The substantial majority of non-recurring expenses resulting from the merger will be comprised of transaction costs related to the merger and, following the merger, facilities and systems consolidation costs and employment-related costs. FormFactor continues to assess the magnitude of these costs and additional unanticipated costs may be incurred in the merger and the integration of the two companies' businesses. Although FormFactor expects that synergies and other benefits of the merger will offset these transaction and merger-related costs over time, this net benefit may not be achieved in the near term, or at all.

The merger may not be accretive, and may be dilutive, to FormFactor's per share results, which may negatively affect the market price of FormFactor common stock.

FormFactor currently anticipates that the merger will be accretive on a non-GAAP basis to its total and per share results. This expectation is based on preliminary estimates that may materially change. In addition, future events and conditions could decrease or delay the accretion that currently is expected or could result in dilution, including adverse changes in market conditions, additional transaction and integration related costs and other factors such as the failure to realize all of the benefits anticipated in the merger. Any dilution of, or decrease or delay of any accretion to, FormFactor's total and per share results could cause the price of FormFactor's common stock to decline.

The unaudited pro forma condensed combined financial information included in this proxy statement/prospectus are preliminary and the actual financial condition and results of operations after the merger may differ significantly.

The unaudited pro forma condensed combined financial information in this proxy statement/prospectus are presented for illustrative purposes only and are not necessarily indicative of what FormFactor's actual financial condition or results of operations would have been had the merger been consummated on the dates indicated. The unaudited pro forma condensed combined financial information reflect adjustments to illustrate the effect of the merger had it been consummated on the dates indicated, which are based upon preliminary estimates, to record the identifiable assets acquired and liabilities assumed from Cascade Microtech at fair value and the resulting goodwill recognized. The purchase price allocation reflected in this proxy statement/prospectus is preliminary, and final allocation of the purchase price will be based upon the actual purchase price and the fair value of the assets and liabilities of Cascade Microtech as of the date of the consummation of the merger. Accordingly, the final acquisition accounting adjustments may differ materially from the pro forma adjustments reflected in this proxy statement/prospectus. See

Unaudited Pro Forma Condensed Combined Financial Statements beginning on page 29 of the proxy statement/prospectus.

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Issuance of FormFactor common stock in connection with the merger may adversely affect the market price of FormFactor common stock.

In connection with the payment of the aggregate stock component of the merger consideration, FormFactor expects to issue approximately 10.4 million shares of common stock to Cascade Microtech shareholders. The issuance of these new shares of FormFactor common stock will reduce the existing stockholders' ownership and voting interest in FormFactor and may result in a decrease in the market price of FormFactor common stock.

The opinion obtained by Cascade Microtech's board of directors from its financial advisor does not and will not reflect changes in circumstances subsequent to the date of the merger agreement.

On February 3, 2016, Stifel delivered its opinion to the Cascade Microtech board of directors that, as of February 3, 2016, and based on and subject to the qualifications, limitations and assumptions set forth in that opinion, the merger consideration to be received by the holders of shares of Cascade Microtech common stock pursuant to the merger agreement was fair, from a financial point of view, to such holders. Cascade Microtech has not obtained, and will not obtain, an updated opinion from Stifel. The opinion rendered by Stifel does not speak to the time when the merger will be completed or to any other date other than the date of such opinion. As a result, the opinion rendered by Stifel does not and will not address the fairness, from a financial point of view, of the merger consideration to be received by Cascade Microtech's shareholders pursuant to the merger agreement at the time the merger is completed or at any time other than February 3, 2016. For a more complete description of the opinion rendered by Stifel, see Proposal I: The Merger Opinion of Cascade Microtech's Financial Advisor beginning on page 77 of this proxy statement/prospectus and the full text of the opinion contained in Annex B to this proxy statement/prospectus.

Litigation filed against Cascade Microtech, the Cascade Microtech board or FormFactor could prevent or delay the consummation of the merger or result in the payment of damages following the completion of the merger.

In connection with the merger, a purported shareholder of Cascade Microtech has filed a putative shareholder class action lawsuit against Cascade Microtech, its board, FormFactor and Merger Sub. Among other remedies, the plaintiff seeks to enjoin the merger. Additional lawsuits may be filed in connection with the merger. The outcome of any such litigation is uncertain. If a dismissal is not granted or a settlement is not reached, such litigation could prevent or delay the completion of the merger and result in substantial costs, including any costs associated with indemnification. The defense or settlement of any such lawsuit or claim that remains unresolved at the time the merger is consummated could negatively affect FormFactor's results of operations and financial condition. See the section entitled Proposal I: The Mergers Litigation Relating to the Merger beginning on page 91 of this proxy statement/prospectus.

One of the conditions to completion of the merger is the absence of any applicable law (including any order) being in effect that prohibits completion of the merger. Accordingly, if a plaintiff is successful in obtaining an order prohibiting completion of the merger, then such order may prevent the merger from being completed, or from being completed within the expected timeframe.

Risks relating to FormFactor and Cascade Microtech.

FormFactor and Cascade Microtech are, and following consummation of the merger, FormFactor and Cascade Microtech will continue to be, subject to the risks described, for FormFactor and the combined company, under the caption Risk Factors and elsewhere in FormFactor's Annual Report on Form 10-K for the year ended December 26, 2015, and, for Cascade Microtech and the combined company, under the caption Risk Factors and elsewhere in Cascade Microtech's Annual Report on Form 10-K for the year ended December 31, 2015, each of which is on file with the SEC and both of which are incorporated by reference in this proxy statement/prospectus. See Where You Can

Find More Information beginning on page 136 of this proxy statement/prospectus.

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THE COMPANIES

FormFactor

FormFactor, Inc. helps semiconductor manufacturers test the integrated circuits that power consumer mobile devices, as well as computing, automotive and other applications. FormFactor is one of the world's leading providers of essential wafer test technologies and expertise, with an extensive portfolio of high-performance probe cards for DRAM, Flash and System on Chip devices. Customers use FormFactor's products and services to lower overall production costs, improve their yields and enable complex next-generation integrated circuits. Headquartered in Livermore, California, FormFactor services its customers from a network of facilities in Europe, Asia and North America.

The principal trading market for FormFactor's common stock (NASDAQ: FORM) is the NASDAQ Global Market. The principal executive offices of FormFactor are located at 7005 Southfront Road, Livermore, California 94551; its telephone number is (925) 290-4000; and its website is www.FormFactor.com. The information and other content contained on its website is not incorporated by reference in this proxy statement/prospectus.

This proxy statement/prospectus incorporates important business and financial information about FormFactor from other documents that are not included in or delivered with this proxy statement/prospectus. For a list of the documents that are incorporated by reference, see "Where You Can Find More Information" beginning on page 136 of this proxy statement/prospectus.

Cascade Microtech

Cascade Microtech, Inc. is a worldwide leader in precision contact, electrical measurement and test of integrated circuits, optical devices and other small structures. For technology businesses and scientific institutions that need to evaluate small structures, Cascade Microtech delivers access to electrical data from wafers, integrated circuits, integrated circuit packages, circuit boards and modules, MEMS, 3D TSV, LED devices and more. Cascade Microtech's leading-edge stations, probes, probe cards, advanced thermal subsystems and integrated systems deliver precision accuracy and superior performance both in the lab and during production manufacturing of high-speed and high-density semiconductor chips.

The principal trading market for Cascade Microtech's common stock (NASDAQ: CSCD) is the NASDAQ Global Market. The principal executive offices of Cascade Microtech are located at 9100 S.W. Gemini Drive, Beaverton, Oregon 97008; its telephone number is (503) 601-1000; and its website is www.cascademicrotech.com. The information and other content contained on its website is not incorporated by reference in this proxy statement/prospectus.

This proxy statement/prospectus incorporates important business and financial information about Cascade Microtech from other documents that are not included in or delivered with this proxy statement/prospectus. For a list of the documents that are incorporated by reference, see "Where You Can Find More Information" beginning on page 136 of this proxy statement/prospectus.

Merger Sub

Cardinal Merger Subsidiary, Inc. is an Oregon corporation and a wholly owned subsidiary of FormFactor. Merger Sub was incorporated on February 1, 2016 solely for the purpose of consummating a merger with Cascade Microtech. Merger Sub has not carried on any activities to date, except for activities incidental to its formation and activities

undertaken in connection with the merger.

The principal executive offices of Merger Sub are located at 7005 Southfront Road, Livermore, California 94551 and its telephone number is (925) 290-4000.

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SPECIAL MEETING OF SHAREHOLDERS OF CASCADE MICROTECH

Date, Time and Place

The special meeting is scheduled to be held at the offices of Perkins Coie LLP, located at 1120 N.W. Couch Street, Tenth Floor, Portland, Oregon 97209 on June 23, 2016, at 10:00 a.m., local time.

Purpose of the Special Meeting

At the special meeting, Cascade Microtech shareholders will be asked to consider and vote on the following proposals:

the merger proposal, which is further described in the sections entitled **Proposal 1: The Merger** and **The Merger Agreement**, beginning on pages 61 and 94, respectively, of this proxy statement/prospectus;

the named executive officer merger-related compensation proposal, which is further described in the sections entitled **Interests of Certain Persons in the Merger** and **Proposal III: Advisory Vote on Named Executive Officer Merger-Related Compensation** beginning on pages 120 and 126, respectively, of this proxy statement/prospectus;

the adjournment proposal; and

to transact such other business as may properly come before the special meeting or any adjournments or postponements of the special meeting.

Cascade Microtech shareholders must approve the merger proposal as a condition to the completion of the merger. If the Cascade Microtech shareholders fail to approve the merger proposal, the merger will not occur. The vote on the named executive officer merger-related compensation proposal is a vote separate and apart from the vote to approve the merger proposal. Accordingly, a shareholder may vote to approve the merger proposal and vote not to approve the named executive officer merger-related compensation proposal, and vice versa. Because the vote on the named executive officer merger-related compensation proposal is only advisory in nature, it will not be binding on Cascade Microtech, FormFactor or the surviving corporation. Accordingly, because Cascade Microtech's named executive officers have a contractual right to such merger-related compensation, the compensation will be payable, subject only to the conditions applicable thereto, if the merger proposal is approved, regardless of the outcome of the advisory vote.

Other than the matters described above, Cascade Microtech does not expect a vote to be taken on any other matters at the special meeting or any adjournment or postponement thereof. However, if any other matters are properly presented at the special meeting or any adjournment or postponement thereof for consideration, the holders of the proxies will have discretion to vote on such matters in accordance with their best judgment.

Recommendation of the Cascade Microtech Board of Directors

The Cascade Microtech board of directors unanimously adopted and approved the merger agreement and the merger. Certain factors considered by the Cascade Microtech board of directors in reaching its decision to adopt and approve the merger agreement and the merger can be found in the section entitled Proposal I: The Merger Cascade Microtech Reasons for the Merger; Recommendation of the Cascade Microtech Board of Directors beginning on page 69 of this proxy statement/prospectus.

The Cascade Microtech board of directors unanimously recommends that the Cascade Microtech shareholders vote FOR the merger proposal, FOR the named executive officer merger-related compensation proposal and FOR the adjournment proposal.

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Record Date; Shareholders Entitled to Vote

Only holders of shares of Cascade Microtech common stock at the close of business on May 5, 2016, the record date for the special meeting, will be entitled to notice of, and to vote at, the special meeting or any adjournments or postponements of the special meeting. At the close of business on the record date, 15,949,492 shares of Cascade Microtech common stock were issued and outstanding.

Holders of Cascade Microtech common stock are entitled to one vote for each share of Cascade Microtech common stock they own at the close of business on the record date.

Quorum

The presence at the special meeting, in person or by proxy, of the holders of a majority of the shares of Cascade Microtech common stock outstanding on the record date will constitute a quorum. There must be a quorum for business to be conducted at the special meeting. However, even if a quorum does not exist, a majority of the shares of Cascade Microtech common stock present or represented by proxy at the special meeting and entitled to vote may adjourn the meeting to another place, date or time. Failure of a quorum to be represented at the special meeting will necessitate an adjournment or postponement of the special meeting and will subject Cascade Microtech to additional expense.

Once a share is represented in person or by proxy at the special meeting, it will be counted for purposes of determining whether a quorum exists at the special meeting and any adjournment or postponement of the special meeting. However, if a new record date is set for the adjourned or postponed special meeting, a new quorum will have to be established. If you submit a properly executed proxy card, even if you abstain from voting, your shares will be counted for purposes of determining whether a quorum exists at the special meeting.

Required Vote

Approval and adoption of the merger agreement, the merger pursuant to merger agreement and the related transactions contemplated by the merger agreement, requires the affirmative vote of holders of at least a majority of the outstanding shares of Cascade Microtech common stock entitled to vote thereon.

Approval of the adjournment of the special meeting requires the affirmative vote of holders of a majority of the shares of Cascade Microtech common stock present at the special meeting, in person or by proxy, whether or not a quorum.

Approval, on an advisory (non-binding) basis, of the merger-related compensation that will or may be paid to Cascade Microtech's named executive officers in connection with the merger will occur if the votes cast in favor of the proposal exceed the votes cast against it.

Abstentions and Broker Non-Votes

An abstention occurs when a shareholder attends a meeting, either in person or by proxy, but abstains from voting. At the special meeting, abstentions will be counted for purposes of determining whether a quorum exists. **Abstaining from voting will have the same effect as a vote AGAINST the merger proposal and the adjournment proposal, but will have no effect on the outcome of the named executive officer merger-related compensation proposal.**

If no instruction as to how to vote is given (including no instruction to abstain from voting) in an executed, duly returned and not revoked proxy, the proxy will be voted FOR (i) approval of the merger proposal, (ii) approval of the

adjournment proposal, and (iii) approval of the named executive officer merger-related compensation proposal.

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A broker non-vote occurs when (i) your shares are held in street name by brokers, banks and other nominees, and (ii) the broker, bank or nominee submits a proxy card for your shares of Cascade Microtech common stock held in street name but does not vote on a particular proposal because you have not instructed the broker, bank or other nominee regarding how to vote on such proposal and your broker does not have discretionary authority to vote. Because, under applicable rules, brokers, banks and other nominees holding shares in street name do not have discretionary voting authority with respect to any of the three proposals described in this proxy statement, broker non-votes, if any, (x) will not be counted as present in person or by proxy at the special meeting for purposes of determining the presence or absence of a quorum unless the broker has been instructed to vote on at least one of the proposals presented in this proxy statement, and (y) will not be voted on any proposal for which a broker non-vote occurs.

Failure to Vote

If you are a shareholder of record and you do not sign and return your proxy card or vote over the internet, by telephone or in person at the special meeting, your shares will not be voted at the special meeting, will not be counted as present in person or by proxy at the special meeting and will not be counted for purposes of determining whether a quorum exists.

As discussed above, under applicable rules, brokers and other record holders do not have discretionary voting authority with respect to any of the three proposals described in this proxy statement. Accordingly, if you are the beneficial owner of shares held in street name and you do not issue voting instructions to your broker, bank or other nominee, your shares will not be counted as present in person or by proxy at the special meeting for purposes of determining the presence or absence of a quorum, and your shares will not be voted on any proposal.

A failure to vote or a broker non-vote will have no effect on the outcome of the named executive officer merger-related compensation proposal. However, the vote to approve the merger proposal is based on the total number of shares of Cascade Microtech common stock outstanding on the record date, not just the votes cast, and the vote on the adjournment proposal is based on the number of votes represented at a meeting of shareholders, not just the votes cast. **As a result, if you fail to vote your shares, or fail to issue voting instructions to your broker, bank or other nominee, it will have the same effect as a vote AGAINST the merger proposal and the adjournment proposal.**

Voting by Cascade Microtech's Directors and Executive Officers

At the close of business on the record date, directors and executive officers of Cascade Microtech and their affiliates were entitled to vote 2,120,616 shares of Cascade Microtech common stock, or approximately 13.3% of the shares of Cascade Microtech common stock issued and outstanding on that date.

Voting at the Special Meeting

If your shares are registered directly in your name with Cascade Microtech's transfer agent, you are considered a shareholder of record and there are four methods by which you may vote your shares at the special meeting. You may attend the special meeting and vote your shares in person, rather than signing and returning your proxy card, or you may vote your shares by authorizing the persons named as proxies on the proxy card to vote your shares at the special meeting by returning the proxy card by mail, or by voting over the internet, or by telephone. **Although Cascade Microtech offers four different voting methods, Cascade Microtech encourages you to vote over the internet or by telephone, as Cascade Microtech believes they are the most convenient, cost-effective and reliable voting methods.** If you choose to vote your shares over the internet or by telephone, there is no need for you to mail back your proxy card. We also recommend that you vote as soon as possible, even if you are planning to attend the special

meeting, so that the vote count will not be delayed.

To Vote in Person: If you plan to attend the special meeting and wish to vote in person, you will be given a ballot at the special meeting.

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To Vote Over the Internet: To vote over the internet, go to <http://www.envisionreports.com/CSCD> and follow the steps outlined on the secured website. Please have your proxy card available for reference because you will need the validation details that are located on your proxy card in order to cast your vote. If you vote over the internet, you do not have to mail in a proxy card.

To Vote by Telephone: To vote by telephone, call toll-free 1-800-652-VOTE (8683) at any time on a touchtone phone. Please have your proxy card available for reference because you will need the validation details that are located on your proxy card in order to cast your vote. If you vote by telephone, you do not have to mail in a proxy card.

To Vote by Mail: To vote by mail, complete, sign and date the proxy card and return it promptly to the address indicated on the proxy card in the postage paid enveloped provided. If you sign and return your proxy card without indicating how you want your shares of Cascade Microtech common stock to be voted with regard to a particular proposal, your shares of Cascade Microtech common stock will be voted in favor of such proposal. If you return your proxy card without a signature, your shares will not be counted as present at the special meeting and cannot be voted.

If your shares are held by your broker, bank or other nominee, you are considered the beneficial owner of shares held in street name and you will receive a form from your broker, bank or other nominee seeking instruction from you as to how your shares should be voted. If you are a beneficial owner and you wish to vote in person at the special meeting, you must bring to the special meeting a legal proxy from the broker, bank or other nominee that holds your shares authorizing you to vote in person at the special meeting.

Shareholders who are entitled to vote at the special meeting may attend the special meeting. Beneficial owners should bring a copy of an account statement reflecting their ownership of Cascade Microtech common stock as of the record date. All shareholders should bring photo identification.

Revocation of Proxies

You can change or revoke your proxy at any time before the final vote at the special meeting. If you are the record holder of your shares, you may revoke your proxy by:

voting again over the internet or by telephone prior to 11:59 p.m., Eastern Time, on June 22, 2016;

timely sending a written notice that you are revoking your proxy to Cascade Microtech's Secretary;