Edwards Lifesciences Corp Form S-3ASR September 06, 2013

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As filed with the Securities and Exchange Commission on September 6, 2013

Registration No. 333-

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM S-3

REGISTRATION STATEMENT UNDER THE SECURITIES ACT OF 1933

EDWARDS LIFESCIENCES CORPORATION

(Exact name of registrant as specified in its charter)

Delaware

(State or other jurisdiction of incorporation or organization)

36-4316614

(I.R.S. Employer Identification Number)

One Edwards Way Irvine, California 92614 Telephone: (949) 250-2500

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

Aimee S. Weisner
Corporate Vice President and General Counsel
Edwards Lifesciences Corporation
One Edwards Way
Irvine, California 92614
Telephone: (949) 250-2500

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

Copy to:

John-Paul Motley O'Melveny & Myers LLP 400 S. Hope Street Los Angeles, California 90071 Telephone: (213) 430-6000

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

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

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

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

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

If this Form is a registration statement pursuant to General Instruction I.D. or a post-effective amendment thereto that shall become effective upon filing with the Commission pursuant to Rule 462(e) under the Securities Act, check the following box. \circ

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

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 Exchange Act.

CALCULATION OF REGISTRATION FEE

Proposed Maximum Proposed Maximum Title of Each Class of Securities Amount to be Offering Price Per Aggregate Offering Amount of to be Registered Registered(1) Unit(1) Price(1) Registration Fee(2) Common Stock, par value \$1.00 per share Preferred Stock, par value \$0.01 per share Depositary Shares(3) Debt Securities Warrants Purchase Contracts Units Total

Omitted pursuant to General Instruction II.E to Form S-3 under the Securities Act of 1933 (the "Securities Act"). An unspecified and indeterminate aggregate initial offering price and number or amount of the securities of each identified class is being registered for possible offering in primary offerings from time to time at indeterminate prices. The proposed maximum offering price per security will be determined from time to time by the registrant in connection with, and at the time of, offering by the registrant of the securities registered hereby. Separate consideration may or may not be received for securities that are issuable on exercise, conversion or exchange of other securities or that are offered in units. Securities may be denominated in U.S. dollars or the equivalent thereof in foreign currency or currency units.

(2)

(1)

In accordance with Rules 456(b) and 457(r) of the Securities Act, the registrant is deferring payment of all of the registration fee.

(3) Depositary shares will represent fractional interests in preferred stock registered hereby. No separate consideration will be received for the depositary shares.

PROSPECTUS

EDWARDS LIFESCIENCES CORPORATION

Common Stock
Preferred Stock
Depositary Shares
Debt Securities
Warrants
Purchase Contracts
Units

From time to time, we may offer to sell the securities described in this prospectus separately or together in any combination, in one or more classes or series, in amounts, at prices and on terms that we will determine at the time of the offering.

This prospectus describes some of the general terms that may apply to the offered securities. We will provide the specific terms of the securities to be offered in one or more supplements to this prospectus. Prospectus supplements may also add, update or change information in this prospectus.

The specific plan of distribution for any securities to be offered will be provided in a prospectus supplement. We may offer and sell the securities directly, through agents we select from time to time or to or through underwriters or dealers we select, or through a combination of these methods. If we use any agents, underwriters or dealers to sell the securities, we will name them and describe their compensation in a prospectus supplement.

Our common stock is listed on the New York Stock Exchange, or NYSE, under the symbol "EW." Each prospectus supplement will indicate if the securities offered thereby will be listed on any securities exchange.

You should carefully read this prospectus and the applicable prospectus supplement, together with the documents we incorporate by reference, before you invest in our securities. This prospectus may not be used to offer and sell our securities unless accompanied by a prospectus supplement describing the method and terms of the offering.

Investing in any of our securities involves a high degree of risk. Please read carefully the section entitled "Risk Factors" on page 4 of this prospectus and the "Risk Factors" section contained in the applicable prospectus supplement and in the documents incorporated by reference in this prospectus.

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

The date of this prospectus is September 6, 2013

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ABOUT THIS PROSPECTUS

This prospectus is part of a registration statement that we filed with the Securities and Exchange Commission (the "SEC"), using a "shelf" registration process. Under this shelf registration process, we may, from time to time, sell any combination of the securities described in this prospectus in one or more offerings. This prospectus provides you with a general description of the securities we may offer. Each time we sell securities pursuant to the registration statement of which this prospectus forms a part, we will provide a prospectus supplement that will contain specific information about the terms of that offering. The prospectus supplement may also add to, update or change the information contained in this prospectus.

As permitted under the rules of the SEC, this prospectus incorporates important business information about Edwards Lifesciences Corporation that is contained in documents that we file with the SEC, but that are not included in or delivered with this prospectus. You may obtain copies of these documents, without charge, from the website maintained by the SEC at www.sec.gov, as well as other sources. See "Where You Can Find More Information" and "Information We Incorporate by Reference."

We are responsible only for the information contained in or incorporated by reference in this prospectus, any prospectus supplement and any free writing prospectus prepared by or on behalf of us or to which we have referred you. We have not authorized any other person to provide you with different information. We take no responsibility for, and can provide no assurance as to the reliability of, any other information that others may give you. We are not making offers to sell the securities described in this prospectus in any jurisdiction in which an offer or solicitation is not authorized or in which the person making such offer or solicitation is not qualified to do so or to anyone to whom it is unlawful to make an offer or solicitation.

Before purchasing any securities, you should carefully read both this prospectus and any prospectus supplement, together with the additional information described under the heading "Information We Incorporate by Reference." You should assume that the information contained in this prospectus, any prospectus supplement or any free writing prospectus is accurate only as of the date on its respective cover, and that any information incorporated by reference is accurate only as of the date of the document incorporated by reference, unless we indicate otherwise. Our business, financial condition, results of operations and prospects may have changed since those dates.

References in this prospectus to the terms "we," "us," "our," "the Company" or other similar terms mean Edwards Lifesciences Corporation and its consolidated subsidiaries and "Edwards" means Edwards Lifesciences Corporation, unless we state otherwise or the context indicates otherwise.

WHERE YOU CAN FIND MORE INFORMATION

We file annual, quarterly and current reports, proxy statements and other information with the SEC. You may read and copy any document that we file with the SEC at the SEC's Public Reference Room located at 100 F Street, N.E., Washington D.C. 20549. You may obtain further information on the operation of the Public Reference Room by calling the SEC at 1-800-SEC-0330. Our SEC filings are also available to the public at the SEC's website at www.sec.gov. These documents may also be accessed on our website at www.edwards.com. Information contained on our website is not incorporated by reference into this prospectus and you should not consider information contained on our website to be part of this prospectus.

This prospectus is part of a registration statement on Form S-3 that we filed with the SEC and this prospectus does not contain all of the information included in the registration statement. The full registration statement, including exhibits thereto, may be obtained from the SEC or us as indicated above. Forms of any indenture or other documents establishing the terms of the offered securities are

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filed as exhibits to the registration statement or will be filed through an amendment to our registration statement on Form S-3 or under cover of a Current Report on Form 8-K and incorporated into this prospectus by reference. Statements in this prospectus or any prospectus supplement about these documents are summaries and each statement is qualified in all respects by reference to the document to which it refers. You should refer to the actual documents for a more complete description of the relevant matters.

INFORMATION WE INCORPORATE BY REFERENCE

The SEC allows us to "incorporate by reference" information into this prospectus, which means that we can disclose important information to you by referring you to those documents. The information incorporated by reference is considered to be part of this prospectus, and later information filed with the SEC will automatically update and supersede the information included or incorporated by reference in this prospectus.

We incorporate by reference in this prospectus the following documents and information (other than, in each case, documents or information deemed to have been furnished and not filed in accordance with SEC rules):

our Annual Report on Form 10-K for the fiscal year ended December 31, 2012 (filed with the SEC on February 28, 2013);

our Quarterly Reports on Form 10-Q for the quarterly periods ended March 31, 2013 and June 30, 2013 (filed with the SEC on May 6, 2013 and August 6, 2013, respectively);

our Current Reports on Form 8-K filed with the SEC on March 1, 2013, May 16, 2013, May 17, 2013 (two current reports) and June 18, 2013; and

the description of our common stock contained in Post-Effective Amendment No. 1 to our Registration Statement on Form 10 (filed with the SEC on April 5, 2000) (File No. 001-15525), and any other amendment or report filed for the purpose of updating such description.

We also incorporate by reference each of the documents that we file with the SEC under Sections 13(a), 13(c), 14 or 15(d) of the Securities Exchange Act of 1934, as amended (the "Exchange Act"), on or after the date of this prospectus and prior to the completion of the offerings under this prospectus and any prospectus supplement. We will not, however, incorporate by reference in this prospectus any documents or portions thereof that are not deemed "filed" with the SEC, including any information furnished pursuant to Item 2.02 or Item 7.01 of our Current Reports on Form 8-K after the date of this prospectus unless, and except to the extent, specified in such Current Reports.

We will provide to each person, including any beneficial owner, to whom a prospectus (or a notice of registration in lieu thereof) is delivered, a copy of any of these filings (other than an exhibit to these filings, unless the exhibit is specifically incorporated by reference into the filing requested) at no cost, upon a request to us by writing or telephoning us at the following address and telephone number:

Edwards Lifesciences Corporation Attn: Secretary One Edwards Way Irvine, California 92614 Telephone Number: (949) 250-2500

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FORWARD-LOOKING STATEMENTS

This prospectus, including the documents incorporated by reference, contains "forward-looking statements" within the meaning of the federal securities laws. Forward-looking statements provide current expectations of future events based on certain assumptions and include any statement that does not directly relate to any historical or current fact. These statements include, among other things, any predictions of earnings, revenues, expenses or other financial items; plans or expectations with respect to development activities, clinical trials or regulatory approvals; any statements of plans, strategies and objectives of management for future operations; any statements concerning our future operations, financial condition and prospects; and any statements of assumptions underlying any of the foregoing. These statements can sometimes be identified by the use of forward-looking words such as "may," "believe," "will," "expect," "project," "estimate," "should," "anticipate," "plan," "goal," "continue," "seek," "pro forma," "forecast," "intend," "guidance," "optimistic," "aspire," "confident," and other forms of these words or similar words or expressions or the negative thereof.

We caution you that any forward-looking statements made in this prospectus, any prospectus supplement and the documents incorporated herein and therein by reference are not guarantees of future performance and you should not place undue reliance on these forward-looking statements. These forward-looking statements are subject to substantial risks and uncertainties that could cause our results or future business, financial condition, results of operations or performance to differ materially from our historical results or experiences or those expressed or implied in any forward-looking statements contained or incorporated in this prospectus. We urge you to carefully review the disclosures we make concerning risks and other factors that may affect our business and operating results, including those made under the heading "Risk Factors" in our Annual Report on Form 10-K for the fiscal year ended December 31, 2012, as such risk factors may be amended, supplemented or superseded from time to time by other reports we file with the SEC, including subsequent Annual Reports on Form 10-K and Quarterly Reports on Form 10-Q, and in any prospectus supplement. Forward-looking statements speak only as of the date on which they are made and we do not undertake any obligation to update any forward-looking statement to reflect events or circumstances after the date of the statement.

EDWARDS LIFESCIENCES CORPORATION

Edwards Lifesciences Corporation is focused on developing technologies that treat structural heart disease and critically ill patients. A pioneer in the development and commercialization of heart valve products, we are the world's leading manufacturer of tissue heart valves and repair products used to replace or repair a patient's diseased or defective heart valve. We are also a global leader in hemodynamic monitoring systems used to measure a patient's cardiovascular function in the hospital setting.

The products and technologies we provide to treat advanced cardiovascular disease and critically ill patients are categorized into three main areas: Surgical Heart Valve Therapy; Transcatheter Heart Valves; and Critical Care. Our Surgical Heart Valve Therapy portfolio is comprised primarily of tissue heart valves and heart valve repair products for the surgical replacement or repair of a patient's heart valve. The portfolio also includes a diverse line of cardiac surgery systems used during minimally invasive surgical procedures, and cannulae, embolic protection devices and other products used during cardiopulmonary bypass. Our Transcatheter Heart Valves portfolio includes technologies designed to treat heart valve disease using catheter-based approaches as opposed to open surgical techniques. Our Critical Care products include pulmonary artery catheters, disposable pressure transducers and advanced monitoring systems. Our Critical Care portfolio also includes a line of balloon catheter-based vascular products, surgical clips and inserts.

Our principal executive offices are located at One Edwards Way, Irvine, California 92614, our telephone number is (949) 250-2500 and our website is *www.edwards.com*. You should not consider information contained on our website or that can be accessed through our website to be part of this prospectus.

RISK FACTORS

Investing in any of our securities involves risk. Before making an investment decision, in addition to the other information contained in this prospectus and any prospectus supplement, you should carefully consider any risk factors set forth in the applicable prospectus supplement and the documents incorporated by reference in this prospectus, including the risks discussed under the heading "Risk Factors" in our most recent Annual Report on Form 10-K and our most recent Quarterly Reports on Form 10-Q, as the same may be amended, supplemented or superseded from time to time by other reports we file with the SEC in the future. See "Where You Can Find More Information" and "Information We Incorporate by Reference." The risks and uncertainties we have described are not the only risks we face. Additional risks and uncertainties not presently known to us or that we currently deem immaterial may also affect our operations. If any of these risks actually occurs, our business, results of operations and financial condition could suffer. In that case, the trading price of our securities could decline, and you could lose part of your investment.

RATIO OF EARNINGS TO FIXED CHARGES

The following table sets forth our historical ratio of earnings to fixed charges for each of the periods indicated.

	Six Months Ended June 30,	Year Ended December 31,				
	2013	2012	2011	2010	2009	2008
Ratio of earnings to fixed charges(1)	103.5	81.0	81.2	99.9	100.4	23.0

Our ratio of earnings to fixed charges is computed by dividing, (i) income before income taxes plus fixed charges and distributed income of equity investees, by (ii) fixed charges. Fixed charges consist of interest expense and amortized premiums, discounts and capitalized expenses related to indebtedness.

There was no preferred stock outstanding for any of the periods shown above. Accordingly, the ratio of earnings to combined fixed charges and preferred stock dividends was identical to the ratio of earnings to fixed charges for each period.

USE OF PROCEEDS

Unless otherwise specified in any prospectus supplement, we intend to use the net proceeds from the sale of our securities offered under this prospectus for general corporate purposes. Pending any specific application, we may temporarily invest funds in short-term investments, including marketable securities.

DESCRIPTION OF CAPITAL STOCK

General

This section summarizes rights of our capital stock, certain provisions of our amended and restated certificate of incorporation (our "certificate of incorporation") and our bylaws, as amended and restated (our "bylaws"), and certain provisions of applicable law. The following description is only a summary and does not purport to be complete and is qualified by reference to our certificate of incorporation and our bylaws, which are filed as exhibits to the registration statement of which this prospectus is a part.

Authorized Capitalization

Our authorized capital stock consists of:

350,000,000 shares of common stock, with a par value of \$1.00 per share; and

50,000,000 shares of preferred stock, with a par value of \$0.01 per share, of which 3,500,000 shares have been designated as "Series A Junior Participating Preferred Stock."

As of June 30, 2013, 125,383,146 shares of our common stock were issued and 112,179,692 shares of our common stock were outstanding, and no shares of our preferred stock were issued and outstanding. As of June 30, 2013, we also had approximately 8,982,177 shares of our common stock reserved to be issued upon exercise of outstanding stock options and restricted stock units granted to employees and directors.

Common Stock

The holders of our common stock are entitled to one vote for each share on all matters submitted to a vote of stockholders and do not have cumulative voting rights with respect to the election of directors. Holders of our common stock are entitled to receive ratably such dividends as may be declared from time to time by our board of directors out of legally available assets. In the event of our liquidation, dissolution or winding up, holders of common stock are entitled to share ratably in all assets remaining after payment of all debts and other liabilities and any amounts due to any holders of preferred stock. Holders of our common stock have no preemptive or conversion rights. No redemption or sinking fund provisions apply to our common stock. The rights, preferences and privileges of holders of our common stock are subject to the rights of the holders of shares of any series of preferred stock which we may issue. All of our outstanding shares of common stock are, and all shares of common stock offered hereby will be, when issued, fully paid and non-assessable.

Preferred Stock

Our board of directors has the authority, without stockholder approval, to issue up to 50,000,000 shares of our preferred stock in one or more series and to determine, with respect to any such series, the powers, preferences and rights of the shares of such series, and the qualifications, limitations and restrictions thereof, including, without limitation, voting rights, dividend rights, conversion rights, terms of redemption, liquidation preference, sinking fund terms and the number of shares constituting any series and the designation thereof.

Our board of directors can issue, without stockholder approval, preferred stock with voting and conversion rights that could adversely affect the voting power of the holders of common stock and reduce the likelihood that such holders will receive dividend payments or payments upon liquidation. Such issuance could have the effect of decreasing the market price of the common stock. The issuance of preferred stock or even the ability to issue preferred stock could also have the effect of delaying, deterring or preventing a change of control or other corporate action.

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As of June 30, 2013, no shares of preferred stock were issued and outstanding. All shares of preferred stock offered hereby will, when issued, be fully paid and non-assessable and, unless otherwise stated in a prospectus supplement relating to the series of preferred stock being offered, will not have any preemptive or similar rights. We will set forth in a prospectus supplement relating to the class or series of preferred stock being offered the specific terms of each series of our preferred stock, including the price at which the preferred stock may be purchased, the number of shares of preferred stock offered, and the terms, if any, on which the preferred stock may be convertible into common stock or exchangeable for other securities.

Depositary Shares

We may, at our option, elect to offer fractional shares of preferred stock rather than full shares of preferred stock. If we exercise this option, we will issue to the public receipts for depositary shares, and each of these depositary shares will represent a fraction of a share of a particular series of preferred stock, which fraction will be set forth in the applicable prospectus supplement.

The shares of any series of preferred stock underlying the depositary shares will be deposited under a deposit agreement between us and a bank or trust company selected by us. The depositary will have its principal office in the United States and a combined capital and surplus of at least \$50,000,000. Subject to the terms of the deposit agreement, each owner of a depositary share will be entitled, in proportion to the applicable fraction of a share of preferred stock underlying the depositary share, to all of the rights and preferences of the preferred stock underlying that depositary share. Those rights may include dividend, voting, redemption, conversion and liquidation rights.

The depositary shares will be evidenced by depositary receipts issued under a deposit agreement. Depositary receipts will be distributed to those persons purchasing the fractional shares of preferred stock underlying the depositary shares, in accordance with the terms of the offering. We will set forth in a prospectus supplement relating to the depositary shares all material terms of the deposit agreement, the depositary shares and the depositary receipts.

Anti-Takeover Effects of Delaware Law and Our Certificate of Incorporation and Bylaw Provisions

Our certificate of incorporation and bylaws contain certain provisions that may make it more difficult to acquire control of us by means of a tender offer, open market purchase, proxy fight or otherwise. These provisions and certain provisions of Delaware law are expected to discourage coercive takeover practices and inadequate takeover bids.

These provisions are intended to enhance the likelihood of continued stability in the composition of our board of directors and its policies and to discourage certain types of transactions that may involve an actual or threatened acquisition of us. The provisions also are intended to discourage certain tactics that may be used in proxy fights. However, such provisions could have the effect of discouraging others from making tender offers for our shares and, as a consequence, could deprive stockholders of opportunities to realize takeover premiums for their shares.

Set forth below is a summary of the relevant provisions of our certificate of incorporation and bylaws and certain applicable sections of the General Corporation Law of the State of Delaware. For additional information we refer you to the provisions of our certificate of incorporation, our bylaws and those sections of the General Corporation Law of the State of Delaware.

Delaware Anti-Takeover Statute

We are subject to the provisions of Section 203 of the General Corporation Law of the State of Delaware regulating corporate takeovers. In general, Section 203, subject to certain exceptions, prohibits a publicly-held Delaware corporation from engaging in any business combination with any

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interested stockholder for a period of three years following the date that such person or entity became an interested stockholder, unless:

prior to that date, the board of directors of the corporation approved either the business combination or the transaction which resulted in the stockholder becoming an interested stockholder;

upon consummation of the transaction that resulted in the stockholder becoming an interested stockholder, the interested stockholder owned at least 85% of the voting stock of the corporation outstanding at the time the transaction commenced, excluding specified shares; or

at or subsequent to that date of the transaction that resulted in a person or entity becoming an interested stockholder, the business combination is approved by the board of directors and authorized at an annual or special meeting of stockholders, and not by written consent, by the affirmative vote of at least $66^2/3\%$ of the outstanding voting stock that is not owned by the interested stockholder.

The application of Section 203 may limit the ability of stockholders to approve a transaction that they may deem to be in their best interests. In addition, Section 203 makes it more difficult for an interested stockholder to effect various business combinations with a corporation for a three-year period, although the stockholders may, by adopting an amendment to our certificate of incorporation or bylaws, elect not to be governed by this section, effective 12 months after adoption.

In general, Section 203 defines "business combination" as:

any merger or consolidation involving the corporation and the interested stockholder;

any sale, lease, exchange, mortgage, pledge, transfer or other disposition of 10% or more of the assets of the corporation to or with the interested stockholder:

subject to certain exceptions, any transaction which results in the issuance or transfer by the corporation of any stock of the corporation to the interested stockholder;

any transaction involving the corporation that has the effect of increasing the proportionate share of the stock of any class or series of the corporation beneficially owned by the interested stockholder; or

the receipt by the interested stockholder of the benefit of any loans, advances, guarantees, pledges or other financial benefits provided by or through the corporation.

In general, Section 203 defines an "interested stockholder" as any person that is:

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

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

an affiliate or associate of the above.

Our certificate of incorporation and bylaws do not exclude us from the restrictions imposed under Section 203. We anticipate that the provisions of Section 203 may encourage companies interested in acquiring us to negotiate in advance with our board of directors because the stockholder approval requirement would be avoided if a majority of the directors then in office approve either the business combination or the transaction that resulted in the stockholder becoming an interested stockholder.

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Our Board of Directors

Our certificate of incorporation provides that the number of directors may be fixed from time to time by the board of directors, subject to the rights of holders of shares of any series of preferred stock to elect additional directors under specific circumstances. The size of our board of directors is currently fixed at eight directors. We currently have a classified board that is divided into three classes, with one class of directors being elected at each annual stockholder meeting for a three year term. However, beginning with our 2014 annual meeting of stockholders, successors to the class or classes of directors whose term expires in that year shall be elected for a term expiring at the next annual meeting of stockholders. From and after our 2016 annual meeting of stockholders, a director elected to fill a vacancy shall hold office for a term expiring at the next annual meeting of stockholders, such that our board of directors will be declassified following our 2016 annual meeting of stockholders. Each elected director holds office until his or her successor is duly elected and qualified, unless he or she resigns, dies, retires or is removed.

Our certificate of incorporation and bylaws do not authorize cumulative voting with regard to the election of directors.

Removal of Directors; Vacancies

Our certificate of incorporation provides that, prior to our 2016 annual meeting of stockholders, directors may only be removed from office for cause and only by the affirmative vote of at least a majority of our issued and outstanding shares of capital stock entitled to vote for the election of such director. However, from and after our 2016 annual meeting of stockholders, any director may be removed from office at any time, with or without cause, upon the affirmative vote of at least a majority of our issued and outstanding shares of capital stock entitled to vote for the election of such director.

Our certificate of incorporation and bylaws provide that any vacancy in our board of directors may be filled only by a majority of the directors then in office, though less than a quorum, or by our sole remaining director. Each director so elected shall hold office until his successor is duly elected and qualified.

Special Meetings of Stockholders

Our bylaws provide that special meetings of the stockholders for any purpose or purposes may be called only (i) by the chairman of the board of directors and chief executive officer or the secretary, and shall be called by the chairman of the board of directors and chief executive officer or the secretary upon a request in writing therefor, stating the purpose or purposes thereof, delivered to the chairman of the board of directors and chief executive officer or the secretary, signed by a majority of the directors or (ii) by resolution adopted by a majority of our board of directors. Our bylaws limit the business that may be transacted at the special meeting to only those matters relating to the purpose or purposes set forth in the notice of the meeting.

Advance Notice Requirements for Stockholder Proposals and Director Nominees

Our bylaws provide that stockholders seeking to make nominations of candidates for election as directors, or to bring other business before an annual or special meeting of the stockholders, must provide timely notice of their intent in writing. To be timely, a stockholder's notice must be delivered to and received at our principal executive offices not less than 75 days nor more than 100 days prior to the meeting. However, in the event that the date of the annual meeting is more than 30 days before or more than 30 days after the first anniversary date of the preceding year's annual meeting, or in the event of a special meeting of stockholders called for the purpose of electing directors, a stockholder's notice must be delivered to our principal executive offices not later than the close of business on the 10th day following the earlier of the date on which such notice of the date of the meeting was mailed or

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such public disclosure of the date of the meeting was made. Our bylaws also specify certain requirements as to the form and content of a stockholder's notice. These provisions may restrict the ability of our stockholders to bring business before our annual meeting of stockholders or to make nominations for directors at our annual meeting or any special meeting of stockholders.

Blank Check Preferred Stock

Our certificate of incorporation provides that our board of directors can issue, without stockholder approval, up to 50,000,000 shares of our preferred stock in one or more series and to determine, with respect to any such series, the powers, preferences and rights of the shares of such series, and the qualifications, limitations and restrictions thereof, including, without limitation, voting rights, dividend rights, conversion rights, terms of redemption, liquidation preference, sinking fund terms and the number of shares constituting any series and the designation thereof.

Stockholder Action by Written Consent

Our certificate of incorporation provides that all actions requiring the vote or consent of stockholders must be taken at a regular or special meeting of stockholders and cannot be taken by written consent without a meeting.

Transfer Agent and Registrar

Computershare is the transfer agent and registrar for our common stock.

Listing

Our common stock is listed on the NYSE under the symbol "EW."

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DESCRIPTION OF DEBT SECURITIES

The following description, together with the additional information we include in any applicable prospectus supplement, summarizes certain general terms and provisions of the debt securities that we may offer in one or more series under this prospectus. When we offer to sell a particular series of debt securities, we will describe the specific terms of the series in a supplement to this prospectus. We will also indicate in the supplement to what extent the general terms and provisions described in this prospectus apply to a particular series of debt securities. To the extent the information contained in the prospectus supplement differs from this summary description, you should rely on the information in the prospectus supplement.

We may issue debt securities either separately, or together with, or upon the conversion or exercise of or in exchange for, other securities described in this prospectus. Debt securities may be our senior, senior subordinated or subordinated obligations and, unless otherwise specified in a supplement to this prospectus, the debt securities will be our direct, unsecured obligations. Unless otherwise indicated in a prospectus supplement, the debt securities will be exclusively obligations of Edwards and not those of our subsidiaries and therefore the debt securities will be structurally subordinate to the debt and liabilities of any of our subsidiaries.

The debt securities will be issued under an indenture dated as of September 6, 2013 between us and Wells Fargo Bank, National Association, as trustee. The indenture is subject to, and governed by, the Trust Indenture Act of 1939. We have summarized select portions of the indenture below. The summary is not complete and is qualified by reference to the indenture, which has been filed as an exhibit to the registration statement of which this prospectus is a part. You should read the indenture for provisions that may be important to you.

General

We can issue an unlimited amount of debt securities under the indenture that may be in one or more series with the same or various maturities, at par, at a premium, or at a discount. The terms of each series of debt securities will be established by or pursuant to a resolution of our board of directors and set forth in an officer's certificate or a supplemental indenture. The particular terms of each series of debt securities will be described in a prospectus supplement relating to that series (including any pricing supplement or term sheet), including the following terms, if applicable:

the title and ranking of the debt securities (including the terms of any subordination provisions);

the price or prices (expressed as a percentage of the principal amount) at which we will sell the debt securities;

the aggregate principal amount of the debt securities being offered and any limit on the aggregate principal amount of that series of debt securities;

whether any of our direct or indirect subsidiaries will guarantee the debt securities, including the terms of subordination, if any, of those guarantees;

the date or dates on which the principal of the securities of the series is payable;

the interest rate, if any, and the method for calculating the interest rate;

if the trustee in respect of the debt securities is other than Wells Fargo Bank, National Association (or any successor thereto), the identity of the trustee;

the dates from which interest will accrue, the interest payment dates and the record dates for the interest payments;

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the place or places, if any, in addition to or instead of the Corporate Trust Office of the trustee where the principal of (and premium, if any) and interest on the debt securities shall be payable, where the securities of that series may be surrendered for registration of transfer or exchange, and where notices and demands to us in respect of the debt securities may be delivered;

any mandatory or optional redemption terms;

any obligation we have to redeem or purchase the debt securities pursuant to any sinking fund or analogous provisions or at the option of a holder of debt securities and the period or periods within which, the price or prices at which and the terms and conditions upon which securities of the series shall be redeemed or purchased, in whole or in part, pursuant to that obligation:

any dates, if any, on which, and the price or prices at which, we will repurchase debt securities at the option of the holders of debt securities and other detailed terms and provisions of any such repurchase obligations;

the denominations in which the debt securities will be issued;

whether the debt securities will be issued in the form of certificated debt securities or global debt securities;

if other than the principal amount thereof, the portion of the principal amount of the debt securities of the series that shall be payable upon declaration of acceleration of the maturity thereof;

if the debt securities are denominated in other than United States dollars, the currency or currencies (including composite currencies) in which the debt securities are denominated;

the designation of the currency, currencies or currency units in which payment of the principal of (and premium, if any) and interest, if any, on the debt securities of the series will be made;

if payments of principal (and premium, if any) or interest, if any, in respect of the debt securities will be made in one or more currencies or currency units other than that or those in which the debt securities are denominated, the manner in which the exchange rate with respect to those payments will be determined;

the manner in which the amounts of payment of principal of, or any interest on, the debt securities will be determined, if these amounts may be determined by reference to an index based on a currency or currencies or by reference to a commodity, commodity index, stock exchange index or financial index;

any provisions relating to any security provided for the debt securities;

any addition to, deletion of or change in the events of default described in this prospectus or in the indenture with respect to the debt securities and any change in the acceleration provisions described in this prospectus or in the indenture with respect to the debt securities;

any addition to, deletion of or change in the covenants described in this prospectus or in the indenture with respect to the debt securities;

any depositaries, interest rate calculation agents, exchange rate calculation agents or other agents appointed with respect to the debt securities;

the provisions, if any, relating to conversion or exchange of any series of debt securities, including if applicable, the conversion or exchange price and period, the securities or other property into which the debt securities will be convertible, provisions as to whether conversion or exchange will be mandatory, at the option of the holders thereof or at our option, the events

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requiring an adjustment of the conversion price or exchange price and provisions affecting conversion or exchange if that series of debt securities is redeemed; and

any other terms of the series of debt securities that may supplement, modify or delete any provision of the indenture as it applies to that series, including any terms that may be required under applicable law or regulations or advisable in connection with the marketing of the debt securities.

We will provide you with information on the federal income tax considerations and other special considerations applicable to any of these debt securities in the applicable prospectus supplement.

If we denominate the purchase price of any of the debt securities in a foreign currency or currencies or a foreign currency unit or units, or if the principal of and any premium and interest on any series of debt securities is payable in a foreign currency or currencies or a foreign currency unit or units, we will provide you with information on the restrictions, elections, general tax considerations, specific terms and other information with respect to that issue of debt securities and the foreign currency or currencies or foreign currency unit or units in the applicable prospectus supplement.

Transfer and Exchange

Each debt security will be represented by either one or more global securities registered in the name of The Depository Trust Company, as the depositary, or a nominee of the depositary (we will refer to any such debt security as a "global debt security"), or a certificate issued in definitive registered form (we will refer to any debt security represented by a certificate as a "certificated debt security") as set forth in the applicable prospectus supplement. Except as set forth below, global debt securities will not be issuable in certificated form.

Certificated Debt Securities. You may transfer or exchange certificated debt securities at any office we maintain for this purpose in accordance with the terms of the indenture. No service charge will be made for any transfer or exchange of certificated debt securities, but we may require payment of a sum sufficient to cover any tax or other governmental charge payable in connection with a transfer or exchange.

You may effect the transfer of certificated debt securities and the right to receive the principal of and any premium and interest on certificated debt securities only by surrendering the certificate representing those certificated debt securities and either reissuance by us or the trustee of the certificate to the new holder or the issuance by us or the trustee of a new certificate to the new holder.

Global Debt Securities and Book-Entry System. Each global debt security will be deposited with, or on behalf of, the depositary, and registered in the name of the depositary or a nominee of the depositary. Beneficial interests in global debt securities will not be issuable in certificated form unless (i) the depositary has notified us that it is unwilling or unable to continue as depositary for that global debt security or has ceased to be qualified to act as such as required by the indenture and we fail to appoint a successor depositary within 90 days of such event, (ii) we determine, in our sole discretion, not to have those securities represented by one or more global securities or (iii) any other circumstances shall exist, in addition to or in lieu of those described above, as may be described in the applicable prospectus supplement. Unless and until a global debt security is exchanged for certificated debt securities under the limited circumstances described in the previous sentence, a global debt security may not be transferred except as a whole by the depositary to its nominee or by the nominee to the depositary, or by the depositary or its nominee to a successor depositary or to a nominee of the successor depositary.

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Certain Covenants

The following restrictive covenants will apply to each series of debt securities issued under the indenture, unless otherwise specified in the resolutions or supplemental indenture establishing the terms of those debt securities. See " Certain Definitions" below for the definition of certain of the defined terms used herein.

Limitations on Liens

We will not, nor will we permit any Restricted Subsidiary to, create, incur, issue, assume or guarantee any Debt if such Debt is secured by a Lien upon any Restricted Property or on the capital stock or Debt of any Restricted Subsidiary, without, in any such case, effectively providing that the debt securities will be secured equally and ratably by such Lien with such secured Debt; provided, however, that this restriction will not apply to:

Liens existing on the date of the indenture or Liens existing on property, capital stock or Debt of any Person at the time it becomes a Restricted Subsidiary;

any Lien existing on property when acquired, constructed or improved and which Lien (i) secured or provided for the payment of all or any part of the acquisition costs of the property or the cost of construction or improvement thereof and (ii) is created prior to, at the same time or within one year after, the completion of such acquisition, construction or improvement to the property, as the case may be;

Liens on property of a Person existing at the time such Person is merged into or consolidated with us or a Restricted Subsidiary or at the time of a sale, lease or other disposition of the properties of a Person as an entirety or substantially as an entirety to us or a Restricted Subsidiary;

any Lien arising by reason of deposits with, or the giving of any form of security to, any governmental agency or any body created or approved by law or governmental regulation;

Liens securing Debt of a Restricted Subsidiary owed to us or another Restricted Subsidiary;

Liens for taxes, fees, assessments or other governmental charges which are not delinquent or remain payable without penalty, or which are being contested in good faith by appropriate proceedings;

carriers', warehousemen's, materialmen's, repairmen's, mechanics', landlords' and other similar Liens arising in the ordinary course of business;

Liens consisting of pledges or deposits required in the ordinary course of business in connection with workers' compensation, unemployment insurance and other social security legislation;

Liens on property securing (i) the non-delinquent performance of bids, trade contracts (other than for borrowed money), leases, statutory obligations, (ii) contingent obligations on surety and appeal bonds, and (iii) other non-delinquent obligations of a like nature; in each case, incurred in the ordinary course of business, provided that all such Liens under this bullet point in the aggregate would not (even if enforced) cause a material adverse change in, or a material adverse effect upon, the operations, business, properties, liabilities (actual or contingent), condition (financial or otherwise) or prospects of Edwards and its Subsidiaries taken as a whole;

Liens securing obligations in respect of capital leases on assets subject to such leases; provided that such leases are otherwise permitted under the covenant "Limitations on Sale and Leaseback Transactions" set forth below;

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Liens securing reimbursement obligations with respect to letters of credit arising by operation of law under Section 5-118(a) of the Uniform Commercial Code;

Liens arising solely by virtue of any statutory or common law provision relating to banker's liens, rights of set-off or similar rights and remedies as to deposit accounts or other funds maintained with a creditor depository institution; provided that (i) such deposit account is not a dedicated cash collateral account and is not subject to restrictions against access by us in excess of those set forth by regulations promulgated by the Board of Governors of the Federal Reserve System of the United States, and (ii) such deposit account is not intended by us or any Subsidiary to provide collateral to the depository institution;

Liens consisting of easements, rights-of-way, zoning restrictions, restrictions on the use of real property, and defects and irregularities in the title thereto, landlords' liens and other similar liens and encumbrances none of which interfere materially with the use of the property covered thereby in the ordinary course of our business and which do not, in our opinion, materially detract from the value of such properties; and

any extension, renewal or replacement (or successive extensions, renewals or replacements), in whole or in part, of any permitted Lien referred to in the bullets set forth above, inclusive of any Lien existing at the date of the indenture; provided that the obligation secured by such new Lien shall not extend beyond the property subject to the existing Lien and such obligation is not greater in amount than the obligations secured by the Lien extended, renewed or replaced (plus an amount in respect of reasonable financing fees and related transaction costs).

The indenture further provides that we and any Restricted Subsidiary may, without securing the debt securities, create, incur, issue, assume or guarantee secured Debt which would otherwise be subject to the foregoing restrictions; provided that, if after giving effect to such Debt, the aggregate of such secured Debt then outstanding (not including secured Debt permitted under the foregoing exceptions) plus the aggregate amount of Attributable Debt outstanding in respect of sale and leaseback transactions entered into pursuant to the fourth bullet under "Limitations on Sale and Leaseback Transactions" below, does not exceed 15% of Consolidated Net Tangible Assets as stated on Edwards' most recent publicly available consolidated balance sheet preceding the date of determination.

Limitations on Sale and Leaseback Transactions

We will not, and will not permit any Restricted Subsidiary to, enter into any sale and leaseback transaction with respect to any Restricted Property, except a lease for a period (including extensions or renewals at our option or the option of a Restricted Subsidiary) of three years or less. Notwithstanding the foregoing, we or any Restricted Subsidiary may enter into a sale and leaseback transaction if:

the lease is between us and a Restricted Subsidiary or between Restricted Subsidiaries;

we or such Restricted Subsidiary would, at the time of entering into such sale and leaseback transaction, be entitled pursuant to the provisions described in the fourteen bullet points above under "Limitations on Liens" to incur Debt secured by a Lien on such Restricted Property involved in a principal amount at least equal to the Attributable Debt of such transaction without equally and ratably securing the debt securities;

we or any of our Restricted Subsidiaries, during the 270 days following the effective date of the sale and leaseback transaction, apply an amount equal to the greater of the net proceeds of such sale or transfer or the fair value of the Restricted Property that we or our Restricted Subsidiary lease in the transaction to the voluntary retirement of the debt securities or other Debt of ours or that of any Restricted Subsidiary, provided that such Debt (i) ranks pari passu or senior to the debt securities under the indenture and (ii) by its terms matures at or is extendable or renewable at the option of the obligor thereon to a date more than 12 months from the date of the creation of such Debt; or

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the Attributable Debt of the Company and its Restricted Subsidiaries in respect of such sale and leaseback transaction and all other sale and leaseback transactions involving Restricted Property (other than sale and leaseback transactions as are permitted in the bullets above), plus the aggregate principal amount of Debt secured by Liens on Restricted Property then outstanding incurred pursuant to the last paragraph under "Limitations on Liens" above, would not exceed 15% of Consolidated Net Tangible Assets as stated on Edwards' most recent publicly available consolidated balance sheet preceding the date of determination.

Certain Definitions

Set forth below are certain of the defined terms used in the indenture.

"Attributable Debt" means, in respect of a sale and leaseback transaction, as of any particular time, the present value (discounted at the rate of interest implicit in the terms of the lease involved in such sale and leaseback transaction, as determined in good faith by us) of the obligation of the lessee thereunder for rental payments (excluding, however, any amounts required to be paid by such lessee, whether or not designated as rent or additional rent, on account of maintenance and repairs, insurance, taxes, assessments, water rates or similar charges or any amounts required to be paid by such lessee thereunder contingent upon the amount of sales, maintenance and repairs, insurance, taxes, assessments, water rates or similar charges) during the remaining term of such lease (including any period for which such lease has been extended or may, at the option of the lessor, be extended).

"Consolidated Net Tangible Assets" means the total amount of assets (less applicable reserves and other items deductible from the gross book value of specific asset amounts) after deducting (1) all current liabilities (excluding the amount of those which are by their terms extendable or renewable at the option of the obligor to a date more than 12 months after the date as of which the amount is being determined) and (2) all customer lists, computer software, licenses, patents, patent applications, copyrights, trademarks, trade names, goodwill, capitalized research and development costs and other like intangibles, treasury stock and unamortized debt discount and expense, and all other like intangible assets, all as stated on Edwards' most recent publicly available consolidated balance sheet preceding the date of determination and determined in accordance with generally accepted accounting principles.

"Debt" means any and all of the obligations of a Person for money borrowed which in accordance with generally accepted accounting principles would be reflected on the balance sheet of such Person as a liability as of the date the Debt is to be determined.

"Lien" means any mortgage, pledge, hypothecation, assignment, deposit arrangement, encumbrance, lien (statutory or other), charge, or preference, priority or other security interest or preferential arrangement of any kind or nature whatsoever (including any conditional sale or other title retention agreement, and any financing lease having substantially the same economic effect as any of the foregoing) on or with respect to any property.

"Person" means an individual, a corporation, a company, a voluntary association, a partnership, a trust, a joint venture, a limited liability company, an unincorporated organization, or a government or any agency, instrumentality or political subdivision thereof.

"Restricted Property" means, as to any particular series of notes, any manufacturing facility or plant owned, or leased, by Edwards or a Restricted Subsidiary and located within the United States, including Puerto Rico, the gross book value (including related land, machinery and equipment without deduction of any depreciation reserves) of which is not less than 1% of Consolidated Net Tangible Assets as stated on Edwards' most recent publicly available consolidated balance sheet preceding the date of determination, other than any such manufacturing facility or plant which