As filed with the Securities and Exchange Commission on February 11, 2011

Registration No. 333-\_\_\_\_

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

#### FORM S-3

REGISTRATION STATEMENT UNDER THE SECURITIES ACT OF 1933

BorgWarner Inc. (Exact name of registrant as specified in its charter)

> Delaware (State or other jurisdiction of incorporation or organization)

13-3404508 (I.R.S. employer identification number)

3850 Hamlin Road Auburn Hills, MI 48326 (248) 754-9200 (Address, including zip code, and telephone number, including area code, of registrant's principal executive offices)

> John J. Gasparovic, Esq. Vice President, General Counsel, and Secretary BorgWarner Inc. 3850 Hamlin Road Auburn Hills, MI 48326

(248) 754-9200 (Name, address, including zip code, and telephone number, including area code, of agent for service)

Copy to:

Gordon R. Lewis Charlie Goode Warner Norcross & Judd LLP 900 Fifth Third Center 111 Lyon Street N.W. Grand Rapids, Michigan 49503 (616) 752-2176

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. "

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. "

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.  $\acute{y}$ 

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.

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.

Large accelerated filer ý Non-accelerated filer Accelerated filer Smaller reporting company

### CALCULATION OF REGISTRATION FEE

	Amount To Be	Proposed Maximum Aggregate Price	Proposed Maximum Aggregate	Amount of
Title of Each Class of Securities	Registered (1)	Per Unit (1)	Offering Price	Registration
To Be Registered(1)			(1)	Fee(2)
Debt Securities				
Preferred Stock, par value \$0.01 per				
share				
Voting Common Stock, par value				
\$0.01 per share				
Non-Voting Common Stock, par value				
\$0.01 per share				
Depositary Shares (3)				
Warrants(4)				
Units(5)				
Total				

- (1) An indeterminate aggregate initial offering price or number of the securities of each identified class is being registered as may from time to time be offered at indeterminate prices or upon conversion, exchange or exercise of securities registered hereunder to the extent any such securities are, by their terms, convertible into, or exchangeable or exercisable for, such securities. Separate consideration may or may not be received for securities that are issuable on conversion, exchange or exercise of other securities or that are issued in units or represented by depositary shares.
- (2)In accordance with Rules 456(b) and 457(r) under the Securities Act of 1933, BorgWarner, Inc. is deferring payment of the entire registration fee, except for \$6,877.50 of unused registration fees, attributable to previously registered and unsold securities under Registration Statement No. 333-149539 filed on March 4, 2008, which fees are carried forward for use under this registration statement pursuant to Rule 457(p).
- (3) In the event that we elect to offer to the public fractional interests in shares of preferred stock registered hereunder, depositary shares, evidenced by depositary receipts issued under a deposit agreement, will be distributed to those persons purchasing such fractional interests, and the shares of preferred stock will be issued to the depositary under any such agreement.
- (4) Warrants may consist of rights to purchase debt securities, preferred stock, common stock, depositary shares or units.

(5) Units may consist of one or more debt securities, shares of preferred stock, shares of common stock or warrants in any combination.

Debt Securities Preferred Stock Voting Common Stock Non-Voting Common Stock Depositary Shares Warrants Units

We may offer from time to time, through one or more underwriters, dealers or agents, or directly to purchasers, the following securities, together or separately, in one or more offerings, and in amounts, at prices and on terms to be determined at or before the time of offering.

- Debt Securities
- Preferred Stock
- Voting Common Stock
- Non-Voting Common Stock
  - Depositary Shares
    - Warrants
    - Units

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

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

Investing in our securities involves risks. Please see the section entitled "Risk Factors" on page 4 of 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 or any accompanying prospectus supplement is truthful or complete. Any representation to the contrary is a criminal offense.

Our principal office is located at 3850 Hamlin Road, Auburn Hills, Michigan 48326. Our telephone number is (248) 754-9200. Our website can be found at www.borgwarner.com.

The date of this prospectus is February 11, 2011.

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## ABOUT THIS PROSPECTUS

This prospectus is part of a registration statement on Form S-3 that we filed with the Securities and Exchange Commission ("SEC") using a "shelf" registration process. Under this shelf process, we may 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. It does not contain all of the information in the registration statement. Each time we sell securities, we will provide a prospectus supplement or more than one prospectus supplement, together with one or more pricing supplements (collectively, a "prospectus supplement"), that will contain specific information about the terms of the offering. Prospectus supplements may also add, update or change information contained in this prospectus. The information in this prospectus speaks only as of the date indicated on the cover of this document, unless the information specifically indicates that another date applies. We urge you to carefully read both this prospectus, any prospectus supplement, and the additional information described under the headings "Where You Can Find More Information" and "Incorporation of Documents by Reference" before making an investment decision.

No person is authorized to give any information or to make any representations other than those contained or incorporated by reference in this prospectus or any prospectus supplement, and, if given or made, such information or representations must not be relied upon as having been authorized. This prospectus and any prospectus supplement do not constitute an offer to sell or the solicitation of an offer to buy any securities other than the securities described in any such prospectus supplement or an offer to sell or the solicitation of an offer to buy such securities in any circumstances in which such offer or solicitation is unlawful. Neither the delivery of this prospectus or any prospectus supplement, nor any sale made hereunder and thereunder shall, under any circumstances, create any implication that there has been no change in our affairs since the date hereof or that the information contained or incorporated by reference herein or therein is correct as of any time subsequent to the date of such information.

References in this prospectus to the terms the "Company," "we" or "us" mean BorgWarner Inc. and its consolidated subsidiaries, unless we state otherwise or the context indicates otherwise.

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#### FORWARD-LOOKING STATEMENTS

Certain statements contained or incorporated by reference in this prospectus or any prospectus supplement may constitute "forward-looking statements" within the meaning of the Private Securities Litigation Reform Act of 1995, Section 27A of the Securities Act of 1933 and Section 21E of the Securities Exchange Act of 1934. Such statements are based on management's current outlook, expectations, estimates and projections and may be identified by, without limitation, the words "believe," "anticipate," "hope," "intend," "expect," "plan," "outlook," "estimate"," "will," "strategy," "continue," "could," "forecast," "likely," "may," "position," "possible," "potential," "probable," "project," "should," and variations of such words and similar expressions. All statements, other than statements of historical fact contained or incorporated by reference in this prospectus or any prospectus supplement, that we expect or anticipate will or may occur in the future regarding our financial position, business strategy and measures to implement that strategy, including changes to operations, competitive strengths, goals, expansion and growth of our business and operations, plans, references to future success and other such matters, are forward-looking statements. These statements are based on assumptions and analyses made by us in light of our experience and our perception of historical trends, current conditions and expected future developments, as well as other factors we believe are appropriate in the circumstances. These forward-looking statements involve known and unknown risks, uncertainties and other factors, including those described in the section entitled "Risk Factors" in this prospectus, any prospectus supplement, and in our periodic reports and other filings with the SEC, that may cause our actual results to differ materially from expectations.

All of the forward-looking statements contained or incorporated by reference in this prospectus or any prospectus supplement are qualified by these cautionary statements, and there can be no assurances that the actual results or developments anticipated by us will be realized or, even if substantially realized, that they will have the expected consequences to, or effects on, us and our subsidiaries or our business or operations. Given these uncertainties, prospective investors are cautioned not to place undue reliance on those forward-looking statements. All subsequent forward-looking statements attributable to us or persons acting on our behalf are expressly qualified in their entirety by any of those factors described above and in the documents containing such forward-looking statements. We disclaim any obligation to update or to announce publicly any updates or revisions to any of the forward-looking statements with regard thereto or any change in events, conditions, circumstances or assumptions underlying the statements.

#### ABOUT BORGWARNER INC.

We are a leading, global supplier of highly engineered automotive systems and components, primarily for powertrain applications. Our products help improve vehicle performance, fuel efficiency, stability and air quality. These products are manufactured and sold worldwide, primarily to original equipment manufacturers of light-vehicles (passenger cars, sport-utility vehicles, vans and light-trucks). The Company's products are also sold to other original equipment manufacturers of commercial trucks, buses and agricultural and off-highway vehicles. We also manufacture and sell our products to certain Tier One vehicle systems suppliers and into the aftermarket for light and commercial vehicles. The Company operates manufacturing facilities serving customers in the Americas, Europe and Asia, and is an original equipment supplier to every major automotive original equipment manufacturer in the world.

BorgWarner, Inc. is a corporation organized under the laws of the State of Delaware. Our principal office is located at 3850 Hamlin Road, Auburn Hills, Michigan 48326, our telephone number is (248) 754-9200 and our website address is www.borgwarner.com. The information on our website is not incorporated by reference in, and does not form a part of, this prospectus or any prospectus supplement.

Additional information about us, including our audited financial statements and descriptions of our business, is contained in the documents incorporated by reference in this prospectus. See "Where You Can Find More Information" and "Incorporation of Documents by Reference" below.

### **RISK FACTORS**

Investing in our securities involves risks. You should carefully read and consider the risk factors included in our periodic reports filed with the Securities and Exchange Commission, in any prospectus supplement relating to a specific offering of securities and in any other documents we file with the Securities and Exchange Commission. See "Where You Can Find More Information" and "Incorporation of Documents by Reference" below.

### USE OF PROCEEDS

Unless we inform you otherwise in a prospectus supplement, we intend to use the net proceeds of any securities sold for general corporate purposes, which may include, among other things, additions to working capital, repayment or refinancing of existing indebtedness or other corporate obligations, financing of capital expenditures and acquisitions, investment in existing and future projects, and repurchases and redemptions of securities. Pending any specific application, we may initially invest funds in short-term marketable securities or apply them to the reduction of short-term indebtedness.

## CONSOLIDATED RATIO OF EARNINGS TO FIXED CHARGES

The following table sets forth our ratio of earnings to fixed charges for each year in the five-year period ended December 31, 2010.

Year Ended December 31,						
2006	2007	2008	2009	2010		
5.88x	8.45x	1.14x	1.53x	6.33x		

For the purposes of computing this ratio, "earnings" consist of income from continuing operations before income taxes, minority interest in earnings or losses of consolidated subsidiaries and income from equity affiliates plus (i) amortization of previously capitalized interest, (ii) distributed income from equity affiliates and (iii) fixed charges, minus interest capitalized during the period. "Fixed charges" consist of (i) interest incurred and amortization of debt expense plus (ii) the portion of rent expense representative of the interest factor.

We did not have any preferred stock outstanding and we did not pay or accrue any preferred stock dividends during the periods presented above.

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## DESCRIPTION OF SECURITIES

This prospectus contains a summary of the debt securities, preferred stock, voting common stock, non-voting common stock, depositary shares, warrants and units that we may offer from time to time. These summaries are not meant to be a complete description of each security. At the time of an offering and sale, this prospectus and the applicable prospectus supplement will contain the material terms and conditions of the securities being offered.

### DESCRIPTION OF DEBT SECURITIES

The following descriptions of the terms of the debt securities set forth certain general terms and provisions of the debt securities. The particular terms of the debt securities offered will be described in the applicable prospectus supplement. To the extent that any prospectus supplement is inconsistent with any provision in, or contains information in addition to, this summary, the information contained in such prospectus supplement will control.

The debt securities that will be our senior debt securities will be issued under an Indenture dated as of September 23, 1999, as supplemented (the "Senior Debt Indenture"), between us and The Bank of New York Mellon Trust Company, N.A. (successor in interest to Chase Manhattan Trust Company, National Association) (the "Senior Trustee"). The debt securities that will be our subordinated debt ("Subordinated Debt Securities") will be issued under an Indenture (the "Subordinated Debt Indenture" and, collectively with the Senior Debt Indenture, the "Indentures"), to be entered into between us and a trustee to be determined (the "Subordinated Trustee").

The Senior Debt Indenture has been filed as an exhibit to the registration statement. The forms of the senior debt securities have been filed, or will be filed, with the SEC and incorporated by reference as exhibits to the registration statement and you should read them for the provisions that may be important to you. The forms of the Subordinated Debt Indenture and the Subordinated Debt Securities have been filed, or will be filed, with the SEC and incorporated by reference as exhibits to the registration statement and you should read them for the provisions that may be important to you. The Indentures are subject to and governed by the Trust Indenture Act of 1939, as amended (the "Trust Indenture Act").

We have summarized certain provisions of the Indentures and the debt securities below. The summary is not complete and is subject to, and qualified in its entirety by reference to, the Indentures and the debt securities. Capitalized terms used in the summary have the meanings set forth in the applicable Indenture unless otherwise defined herein.

General

The debt securities will be our unsecured senior or subordinated obligations.

The Indentures do not limit the amount of debt securities that we may issue thereunder and provide that we may issue debt securities under the Indentures from time to time in one or more series.

Reference is made to the applicable prospectus supplement for the following terms of and information relating to the offered debt securities (to the extent such terms are applicable to such debt securities):

- classification as senior or subordinated debt securities;
- the specific designation, aggregate principal amount, purchase price and denomination of the offered debt securities;
  - the currency or units based on or relating to currencies in which such debt securities are denominated and/or in which principal (and premium, if any) and/or any interest will or may be payable;

## • any date of maturity;

- the method by which amounts payable in respect of principal, premium (if any) or interest on, or upon the redemption of, such debt securities may be calculated, and any currencies or indices, or value, rate or price, relevant to such calculation;
  - interest rate or rates (or the method by which such rate or rates will be determined), if any;
    - the date or dates on which any such interest or other amounts will be payable;
  - the place or places where the principal of and interest, if any, on the offered debt securities will be payable;
    - any redemption, repayment or sinking fund provisions for the offered debt securities;
- whether the securities will be issued in whole or in part in the form of one or more global securities and, if so, the depositary for those global securities;
- any applicable U.S. federal income tax consequences, including whether and under what circumstances we will pay additional amounts on offered debt securities held by a person who is not a U.S. person (as defined in this prospectus or the applicable prospectus supplement) in respect of any tax, assessment or governmental charge withheld or deducted and, if so, whether we will have the option to redeem such debt securities rather than pay such additional amounts;
  - the anticipated market for the offered debt securities; and
- any other specific terms of the offered debt securities, including any additional or different events of default, remedies or covenants provided for with respect to such debt securities, and any terms which may be required by or advisable under applicable laws or regulations.

## Payment

Unless the applicable prospectus supplement states otherwise, principal of, premium, if any, and interest, if any, on the debt

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securities will be payable, and the debt securities will be transferable, at the corporate trust office of the applicable Trustee. However, interest may be paid at our option by check mailed to the address of the holder entitled to the interest as it appears on the applicable security register. We will have the right to require a holder of any debt security, in connection with any payment on the debt security, to certify information to us or, in the absence of certification, we may rely on any legal presumption to enable us to determine our obligation, if any, to deduct or withhold taxes, assessments or governmental charges from the payment.

## Certain Definitions

"Attributable Indebtedness" means, with respect to any Sale/Leaseback Transaction as of any particular time, the present value (discounted at the rate of interest implicit in the terms of the lease) of the obligations of the lessee under such lease for Net Rental Payments during the remaining term of the lease (including any period for which such lease has been extended).

"Consolidated Net Tangible Assets" means the total amount of assets (less applicable reserves and other properly deductible items) after deducting therefrom (1) all current liabilities (excluding any current liabilities which are by their terms extendible or renewable at the option of the obligor thereon to a time more than 12 months after the time as of which the amount thereof is being computed), (2) all goodwill, trade names, trademarks, patents, unamortized debt discount and expense and other like intangibles and (3) appropriate adjustments on account of minority interests of other Persons holding stock of our Subsidiaries, all as set forth on the most recent balance sheet of the Company and its consolidate subsidiaries (but, in any event, as of a date within 150 days of the date of determination) and computed in accordance with generally accepted accounting principles.

"Consolidated Net Worth" means the amount of total stockholders' equity shown in our most recent consolidated statement of financial position.

"Current Assets" of any Person includes all assets of such Person that would in accordance with generally accepted accounting principles be classified as current assets.

"Current Liabilities" of any Person includes all liabilities of such Person that would in accordance with generally accepted accounting pri