

# Product Builder

## Microsoft Dynamics AX

### BENEFITS:

- Your customers, vendors and employees can easily configure customized products
- Delivers customized products faster and cost effectively by reducing the manual work involved in designing, planning and producing them
- An easy to use system that adapts to the needs of your customers and employees
- Product Builder in Microsoft Dynamics AX is designed to work with other key functional areas of the solution like master planning, production, sales and purchasing to shorten delivery cycles and optimize product design and production planning.

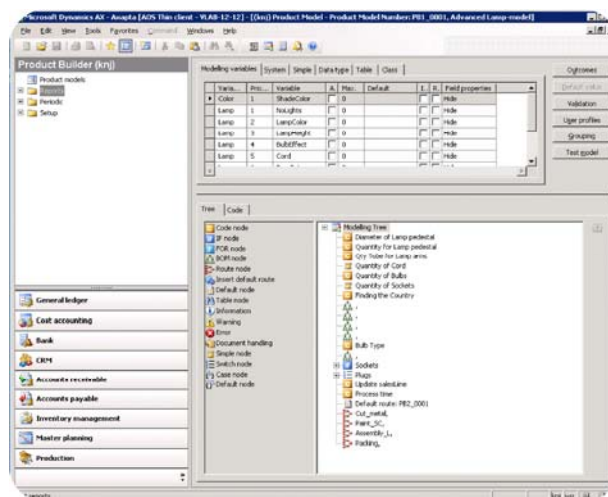
Product Builder in Microsoft Dynamics™ AX simplifies and streamlines the process of ordering, planning and producing customized products, helping you to win more orders and increase customer loyalty.

### Efficient configuration of customized products

Both your customers and employees can use Product Builder in Microsoft Dynamics AX to configure customized products and quickly obtain accurate pricing and delivery dates. Your employees can also configure products using Product Builder in Microsoft Dynamics AX by using Microsoft® Windows® client.

Product Builder in Microsoft Dynamics AX helps you create flexible product models by using a drag and drop interface to define each product's configurable options according to variables such as color, size and materials. Products can then be configured to match your customers' individual requirements based on the options provided in the product models.

When the product has been configured, your customers receive up-to-date pricing and delivery information based on their choices. Because Product Builder in Microsoft Dynamics AX links to other modules within the solution, updates to products, prices and lead times are automatically reflected across the system. Your customers can always be kept up-to-date on the status of the products they want.



The picture shows the modeling tree for a configured item

## **Deliver customized products faster and more cost effectively**

Setting up the product models in Microsoft Dynamics AX Product Builder is fast and efficient and reduces the potential for error. A wizard guides you through a series of menus and options, letting you define the criteria for the product models that are then used to configure products for individual orders.

When products are configured, the bills of material (BOMs) and production routes for each sales line are automatically generated. This results in less manual work required in production planning and scheduling and speedier delivery of customized products to your customers. Pricing is also automatically calculated for each item on the configured BOM. And, as Product Builder in Microsoft Dynamics AX is connected in real time to Master Planning in Microsoft Dynamics AX, delivery dates can be calculated immediately with consideration of on-hand inventory and available capacity.

Changes to product specifications are easily managed within Product Builder in Microsoft Dynamics AX. Because BOMs are defined at the moment that products are configured, changes made to product models are instantly reflected in BOMs. This avoids the need to manually change hundreds of BOMs when altering a product specification.

# FEATURES

## Product Builder I

### Product configuration

- Integrated with Microsoft Dynamics AX sales orders, sales quotation, project quotation, purchase orders and production
- User dialog automatically generated from variable setup on product model
- Immediate item configuration based on customer input
- Generates production of specific bills of material for each configured item
- Can model complex models
- Use drag and drop interface functionality to create different notes
- A wizard guides you through a series of menus and options, letting you define the model
- Default values for variables depending on customers and/or inventory items
- User profiles on variables to only allow specific users to specify this variable
- Reuse of data from previous configurations if needed
- Generation of item numbers based on the model variables
- Configuration details can be printed on order documents using the standard Microsoft Dynamics AX document handling feature
- Price calculations based on customers' choice of variables from product models
- Price calculations can be fixed amount, percentage or even programmed per variable
- Items being configured can be visualized during and after configuration
- Language texts offering user dialogs in preferred languages
- Export/import of product models
- Possibility of using sub models with inheritance of variables from top to bottom and visa versa

## Product Builder II

### Routing integration

- Allows the creation of production specific routes and job cards for each configured item
- Default routes, as templates for the routes created in the product model
- Inserts complete default route in product model

## Product Builder III

### Validation rules

- Create validation rules for variables, groups of variables and a complete configuration
- Create rules that govern the allowed content of variables
- Add or remove values from enumerated text variables
- Assign values to specific variables based on the content of other variables
- Validate values and display an error message build from the condition
- Add or remove variables from the user interface based on customer choices
- Enable product models to deal with divergent national standards
- Validation rules can be made in X++ code
- Create rules that govern the allowed content of variables (each variable, for a group of variables, or for all variables in a complete product model)
- Assign values to specific variables based on the content of other variables
- Add or remove variables from the user interface based on customer choices

## Product Builder IV

---

### Advanced configurations

- Automatic and mandatory configuration
  - Provides access to all of the tables and classes in your Microsoft Dynamics AX installation
  - Makes it possible to create complex formulas for tasks such as the calculation of raw material consumption
  - Incorporates facts from any Microsoft Dynamics AX table into your product models
  - Enables product models to deal with divergent national standards
  - Allows you to create advanced calculations using X++ programming language. Variables can be declared as any table, class or data type in Microsoft Dynamics AX
  - Unlimited calculations
- 

**For more information about Microsoft Dynamics AX, visit:**  
**[www.microsoft.com/dynamics/ax](http://www.microsoft.com/dynamics/ax).**

This document is for informational purposes only. MICROSOFT MAKES NO WARRANTIES, EXPRESS, IMPLIED, OR STATUTORY, AS TO THE INFORMATION IN THIS DOCUMENT.

© 2006 Microsoft Corporation. All rights reserved. Microsoft, Axapta, Microsoft Dynamics, the Microsoft Dynamics logo, and Windows Server System are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries. Microsoft Business Solutions ApS is a subsidiary of Microsoft Corporation.

**Microsoft**