

Process Industries

Process Industries for Microsoft Dynamics AX

BENEFITS:

- **Increase operational speed and flexibility.** Support multiple manufacturing modes, including make to order, make to stock, and a hybrid or mixed-mode environment. Standardize operations, streamline processes, and help increase efficiency by implementing best practices.
- **Enhance connectivity and communication.** Maintain high production levels and on-time delivery rates by sharing real-time information about specifications, order status, and quality control (QC) testing among key departments and trading partners.
- **Gain insight into costs and process efficiency.** Understand and manage production schedules, capacity loadings, shop floor activities, and production costs. View up-to-the-minute client, contract, and project details for an accurate accounting of profitability.
- **Improve inventory management.** Create multi-dimensional inventory records and track items throughout the supply chain so you always know accurate inventory status, can implement effective recall procedures, and maintain complete forward and backward traceability of any material.
- **Respond quickly to changing market conditions.** Model production capabilities, quickly share engineering information, and adjust product mix for changes in demand to capitalize on new opportunities as they arise.

Improve operational efficiency by integrating sales, production, inventory, quality control, and customer service capabilities throughout the process manufacturing life cycle.

By integrating information and capabilities throughout the design and manufacturing life cycle, Process Industries for Microsoft Dynamics™ AX can help you maximize capacity, manage co-products and by-products, comply with regulatory mandates, meet changing customer demands, and drive continuous process improvement.



Process Industries for Microsoft Dynamics AX provides an easy-to-use, easy-to-understand way to create and manage recipes and formulas. From a single screen, users can review and maintain important information about the formula, as well as the individual ingredients.

Take advantage of existing IT investments and tailor your production management system to meet the changing needs of your business while helping to achieve a positive return on investment (ROI) and a low total cost of ownership (TCO). By integrating sales, production, inventory, quality control, distribution, and customer service capabilities, Process Industries for Microsoft Dynamics AX can help you optimize operations and comply with legal, regulatory, and market requirements to profitably satisfy customers and gain a competitive advantage.

FEATURES:

Fast RFQ development time	Decrease development time for requests for quotations (RFQs), streamline quoting and estimating processes, and reduce risk with more accurate costing and capacity information.
Flexible planning and scheduling tools	Deploy finite or infinite capacity and materials scheduling, backward or forward scheduling, detailed scheduling by hours and minutes, or scheduling by day. Estimate the impact of different sales scenarios using what-if simulations, and consider recurring work, multiple packaging types, or rework requirements.
Customizable item and inventory dimensionality structure	Define multiple inventory dimensions, including dual units of measure, catch-weight calculations, packaging codes, variations to the main item, and lots. Understand the dynamics of your stocking practices and conduct comprehensive where-used analysis, including alternate formula and recipe tracking.
Integrated quality control capabilities	Track quality control (QC) testing—including QC passes, fails, quarantines and releases, and downgrades—as part of inventory status.
Customizable product formula and packaging capabilities	Manage multilevel formulas or recipes and support flexible product configuration and packaging options. Enable customers to request multiple quality specifications per product while combining similar products in production to improve machine utilization.
Detailed production costs analysis	Analyze and monitor production costs and requirements for each component of a sales order using graphical representations of multilevel formulas and recipes.
Optimized picking	Reduce inventory costs and eliminate waste by pulling inventory in optimal sequence using “best before” management and either first expired/first out (FEFO) or first in/first out (FIFO) picking guidance.
Manufacturing process validation	Facilitate compliance with mandates from regulatory agencies such as the U.S. FDA by validating manufacturing processes with Microsoft Dynamics AX for Life Sciences.
Web-based, workflow-enabled communication	Share information with your employees and trading partners via the Internet to maximize productivity and enhance collaboration. Enable customers to order in their preferred unit of measure (UOM), and provide critical product and order information to customers and suppliers through Enterprise Portal in Microsoft Dynamics AX.

For more information about Process Industries for Microsoft Dynamics AX, visit www.microsoft.com/dynamics/ax/product/industrysolutions.mspx.

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