

Process Industries

Solutions for Pulp and Paper Manufacturing

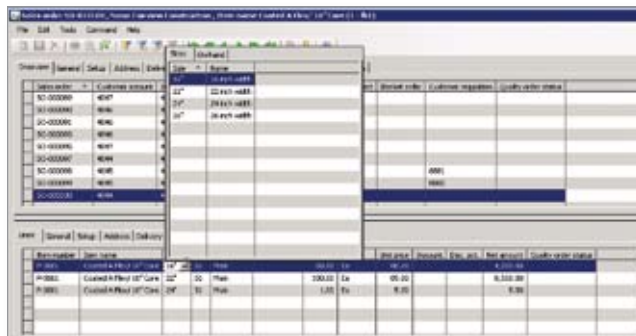
Process Industries for Microsoft Dynamics AX

BENEFITS

- **Improve process controls.** Consistently track and log all operations and results to gain control over materials and optimize leads.
- **Balance production to match demand.** Gain visibility into the relationships between orders, production, inventory, and distribution so you can develop production plans based on capacity and customer demand.
- **Reduce inventories without compromising delivery performance.** Accurately depict real-time inventory levels so you can adjust forecasts and inventory restocking points and help ensure adequate supplies.
- **Improve customer service.** Prioritize accounts to support different customer service levels, and generate production plans that minimize the impact of setup and changeovers.
- **Maximize your IT investments.** Tight integration with other Microsoft® products extends the capabilities of Process Industries for Microsoft Dynamics AX to help ensure a fast return on investment.

Pulp and paper manufacturers face significant challenges from continued decentralization of the industry and plant overcapacity. Process Industries for Microsoft Dynamics® AX provides tools to help pulp and paper companies assess capacity options, create optimized production plans, boost supply chain efficiencies, and improve customer service for competitive advantage.

Process Industries for Microsoft Dynamics AX smoothly integrates all areas of manufacturing—from production and inventory control to order entry and invoicing—to give you a comprehensive view of your entire operation. With the business intelligence this solution delivers, you can optimize plant and asset utilization, speed the flow of goods, improve customer service, and drive continuous process improvements.



Use dimensionality to enter and track item variations and options.

Process Industries for Microsoft Dynamics AX also delivers flexible co-product and by-product functionality, so you can segregate different yield results and effectively manage grade levels by specification.

A highly adaptable, full-featured business management solution, Process Industries for Microsoft Dynamics AX can help you meet the specialized requirements of operating a pulp and paper mill or a converter. It supports make-to-order, make-to-stock, and mixed mode environments, and helps you efficiently manage the variables involved in producing custom products.

FEATURES

Input-driven process specification	<ul style="list-style-type: none">• Accommodate an unlimited number of inputs and outputs within process specifications through a system that defines all the production resources, including machines, labor, utilities, and quality assurance variables.
Catch weight and units of measure (UOMs)	<ul style="list-style-type: none">• Track and manage inventory simultaneously using two non-converted UOMs, such as weight and area.• Enter product volumes and weights based on actual measurements rather than through UOM conversion routines to minimize material variances.• Capture and use as-produced weight (catch weight) to help ensure accurate inventory management and costing.
Attribute tracking and dynamic formula adjustment	<ul style="list-style-type: none">• Define and maintain an unlimited number of qualitative and quantitative attributes at the product and lot levels.• Adjust formulas based on the actual characteristics of input materials to help ensure consistent quality of final products.
Co-product/by-product management	<ul style="list-style-type: none">• Support co-product and by-product tracking to help optimize decisions.• Analyze co-product and by-product attributes and costs, and credit their values to the appropriate finished goods.
Batch optimization and balancing	<ul style="list-style-type: none">• Produce against given batch sizes for full consumption of every batch.• Maintain products most likely to be needed in stock and facilitate the coherence and traceability of multi-level production.
Yield planning and tracking	<ul style="list-style-type: none">• Establish standards for yield using formulas, and then track and report actual yields against those standards to quickly identify out-of-tolerance conditions, isolate the cause, and take corrective actions.
Customizable item and dimensionality structure	<ul style="list-style-type: none">• Define multiple inventory dimensions and gain insight into the dynamics of your stocking practices, including packaging codes, variations to the main item, lot management, and inventory status.
Variable inventory and order tracking	<ul style="list-style-type: none">• Monitor inventory using dual UOMs to manage total weight as well as packaging units (catch weight calculations).• Track order status using real-time updates on net purchasing and production and capacity requirements.
Integrated QC capabilities	<ul style="list-style-type: none">• Know the correct inventory status for any given item, including designations for QC testing, QC failed, and downgrade of product.• Implement effective recall procedures when necessary with complete forward and backward traceability.
Customized product and packaging capabilities	<ul style="list-style-type: none">• Provide customers with packaging flexibility by defining effective UOMs.• Enable customers to request multiple quality specifications per product while maintaining inventory visibility.• Support highly flexible configurations and packaging types while combining similar products in production to improve machine utilization.
Detailed production cost analysis	<ul style="list-style-type: none">• Analyze and monitor production costs and requirements for each component of a sales order using graphical representations of multi-level formulas and recipes.

For more information about Process Industries for Microsoft Dynamics AX 2009, visit www.microsoft.com/dynamics/ax/product/processindustries.msp.