

Process Industries

Solutions for Primary Metal Manufacturing

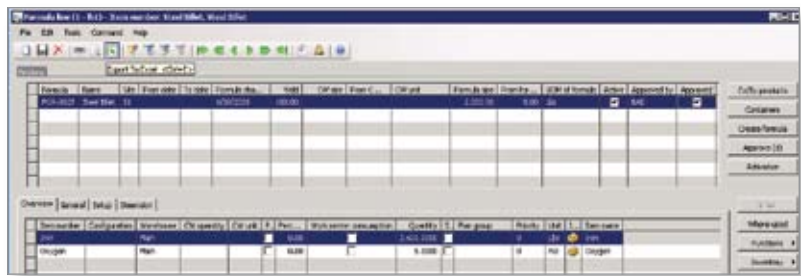
Process Industries for Microsoft Dynamics AX

BENEFITS

- **Improve process controls.** Consistently track and log all operations and results to improve utilization, optimize yields, and meet regulatory requirements.
- **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.

Market restructuring, oversupply, and realignment are a constant challenge in the primary metal industry. With Process Industries for Microsoft Dynamics® AX, metal producers can optimize production, improve supply chain efficiencies, and create competitive advantage by focusing on design and service, not just pricing.

Process Industries for Microsoft Dynamics AX integrates information and processes throughout the design and manufacturing lifecycle to help you maximize capacity, control production variability, and meet strict formulation requirements, while fulfilling customer demands.



Take advantage of an easy way to create and manage formulas.

A highly adaptable, full-featured business management solution, Process Industries for Microsoft Dynamics AX supports make-to-order, make-to-stock, and mixed mode environments, so you can efficiently manage the variables of metal manufacturing whether you operate an integrated mill, fabricate steel products, or run an iron foundry.

You can easily manage, track, and account for the costs of multiple co-products, by-products, recyclables, and scrap resulting from a single production run. Traceability, lot tracking, and specification management provide the visibility you need to fulfill customer requirements without unnecessary production runs.

FEATURES

Catch weight and formula-based 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.
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.
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.
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.
Co-product/by-product management	<ul style="list-style-type: none">• Track and analyze co-product and by-product attributes and costs, and credit their values to the appropriate finished goods.
Customizable item and dimensionality structure	<ul style="list-style-type: none">• Define multiple inventory dimensions, including dual UOMs, catch-weight calculations, packaging codes, variations to the main item, and lots.• Conduct comprehensive where-used analysis, including alternate formula tracking.
Variable inventory and order tracking	<ul style="list-style-type: none">• Track order status using real-time updates on net purchasing, production and capacity requirements, and graphical symbols for each level of the formula.
Integrated quality control (QC)	<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 with complete forward and backward traceability.
Fast requests for quotations (RFQs)	<ul style="list-style-type: none">• Decrease development time for RFQs, streamline quoting and estimating processes, and reduce risk with more accurate costing and capacity information.
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.
Manufacturing process validation	<ul style="list-style-type: none">• Accelerate and simplify compliance with mandates from regulatory agencies such as the U.S. Occupational Safety and Health Administration (OSHA).

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