



Lean Manufacturing in Microsoft Dynamics AX 2009

BENEFITS

- Achieve demand-driven production.**
 Improve process flow and reduce waste with powerful tools for production cell organization, sales scheduling and direct production initiation, production leveling and synchronization, and preconfigured materials routing.
- Increase replenishment efficiency.**
 Implement production, supplier, and/or supermarket kanban systems with a range of call types and triggers to keep production on track while minimizing materials and work-in-progress inventories.
- Accelerate continuous improvement.**
 Speed process redesign, kaizen, and problem-solving by easily sharing information, documents, and collaboration tools among work teams and trade partners.
- Understand value streams, eliminate bottlenecks, and identify improvement opportunities.** Enhance visibility, assess true costs, and provide critical information to those best positioned to make decisions and improve processes.
- Free people for higher-value activities.** Reduce complexity, save time, and optimize resources by automating routine business processes, eliminating manual handling, and increasing the efficiency of communication, approvals, notifications, and information management.

Reduce waste, streamline processes, accelerate demand-pull operations, and gain powerful tools for implementing and sustaining lean manufacturing initiatives that can give you a competitive advantage.

Lean Manufacturing in Microsoft Dynamics® AX 2009 can empower your people to successfully implement kanban, kaizen, heijunka-board production leveling, just-in-time operations, and other key tactics by delivering the specific functionality, access to information, and process flexibility demanded by lean manufacturing operations. As an integral part of a familiar and adaptable end-to-end business management solution, Lean Manufacturing in Microsoft Dynamics AX can help you achieve the insight, agility, efficiency, and customer-orientation that enhance profitability and business success.



Level production and improve replenishment efficiency with tools such as the heijunka board and kanban stop/go board.

Implement lean manufacturing initiatives

Lean manufacturing initiatives can increase efficiency and reduce waste by streamlining processes, improving the flow of production, and enhancing collaboration across the organization and throughout your supply chain. Lean Manufacturing in Microsoft Dynamics AX can grow with your business, and the solution's layered architecture makes it easy to adapt to specific business processes and changing needs. Smooth connectivity with existing Microsoft programs, servers, and technologies—including Microsoft® SQL Server®, Microsoft Office SharePoint® Server, and Microsoft Office—helps maximize your overall IT investment.

With Lean Manufacturing in Microsoft Dynamics AX, you can accelerate efforts to achieve greater efficiency, customer satisfaction, and profitability, while helping ensure a fast return on investment and a low total cost of ownership.

FEATURES

Sales-based scheduling	<ul style="list-style-type: none">• Establish takt time (the demand rate that sets the pace for production) and drive production directly from customer needs using sales scheduling over multiple time horizons based on fixed, tentative, and forecast commitments.• Establish ability-to-supply and automate customer confirmations or order modifications.• Eliminate handling of physical sales orders with call-off functionality linked to production pull signals.
Demand-pull production support	<ul style="list-style-type: none">• Invoke production leveling and sequencing tools such as heijunka boards, constraint loading, and splitting/slotting to improve production flow and accommodate demand spikes.• Eliminate separate production orders and generate assembly or production schedules right from sales orders, then view schedules from book-to-order or cumulative perspectives.
Kanban management	<ul style="list-style-type: none">• Employ both point-of-use and pull-on-demand kanbans in production, supplier, and supermarket replenishment systems.• Set both the quantity and level of kanbans on a production cell and select from a variety of triggers, including manual reduction, electronic counters, and back-flushing upon work completion.• Easily monitor kanban status with at-a-glance visual representations to facilitate flow and minimize buffers.• Extend kanban to the supply chain and streamline receipt or booking-in procedures.
Process flow tools	<ul style="list-style-type: none">• Automate approval routings and attach electronic signatures to orders or key documents to reduce manual tasks and process delays.• Streamline material movement and increase visibility and inventory control with support for barcode, RFID, or other electronic recording capabilities.• Use the Task Recorder in the Microsoft Windows® Workflow Foundation to easily create user-process documentation for flow or value analysis.• Enable preconfigured materials routing to automate delivery to the appropriate production cells on receipt of a pull signal.
Tailored information access through Role Centers	<ul style="list-style-type: none">• Save time, speed decisions, and enable shop floor decision-making by delivering the most relevant information and processes to those who need it.• Enhance productivity and minimize training requirements with a familiar and intuitive user experience and Role Centers that help people quickly find information, prioritize their work, and add value.
Notifications and alerts	<ul style="list-style-type: none">• Set up custom notifications to eliminate delays in manual processing, enable real-time decision-making, and keep processes on track.• Use alerts to facilitate faster, more effective responses to changes in orders, inventory levels, material or product quality, performance indicators, and other status triggers.
Business intelligence	<ul style="list-style-type: none">• Give managers, operators, and improvement teams visibility into demand and operational performance with tailored reports, dashboards, scorecards, and key performance indicators (KPIs).• Access real-time, role-based information and easily analyze and share the results using familiar tools across the organization and supply chain.• Analyze demand surges or trends, inventory utilization, or other variability using familiar and intuitive analytical tools such as Microsoft Office Excel®.• Transform raw data into actionable information with an embedded, Open Database Compliant (ODBC)-compliant Crystal Reports engine and full integration with SQL Server Reporting Services.

Features are organized by Business Ready Licensing edition. Actual editions may vary at the time of licensing.

For more information about **Lean Manufacturing in Microsoft Dynamics AX 2009**, visit www.microsoft.com/dynamics/ax.