



NetWORKS Production Scheduling

challenge:

You must meet customer delivery commitments while finding ways to reduce inventory levels, reduce expenses, and improve product costs.

Can you maximize the output of your resources without adding inventories or extending lead times?

Can you provide your internal and external customers with accurate, fast delivery commitments?

Can you produce multiple products for a single order on time — without holding up delivery?

Can you quickly calculate the value of adding additional capacity or manpower?

Shrink Manufacturing Cycle Times

Increasingly demanding customers and the surge of strong global competition require reduced manufacturing cycle times and increased customization of products and services — all in addition to the traditional allocation challenges of constrained resources. With a real-time manufacturing planning and scheduling solution that simultaneously balances multiple constraints, you can address these issues while meeting your customer service targets.

NetWORKS Production Scheduling™ addresses the unique challenges of your order-based business — whether it's make-to-order, engineer-to-order, or assemble-to-order. Designed to dramatically reduce manufacturing cycle time and improve customer service, it identifies and optimizes constrained resources and focuses on due-date delivery performance and Just-In-Time (JIT) synchronization of material flow. To achieve these results, NetWORKS Production Scheduling uses reality-based modeling and logical constraint-based algorithms that seek to maximize bottleneck utilization and synchronize the flow of material to the customer order.

NetWORKS Production Scheduling enables straightforward, graphical modeling of your entire plant, as well as your external resources, making the solution both flexible and easy to implement. The modeling capabilities extend beyond traditional scheduling solutions to include production operations, material requirements, complete bill-of-materials, production tooling, production personnel, and engineering resources. Using the latest integration and web technology, NetWORKS Production Scheduling supports real-time, plant-to-plant collaboration, and delivers seamless communication with other functional areas, including procurement, engineering, and plant management.

Expand Your Margins™

When the right materials are not available when and where they are needed, many companies experience manufacturing delays, expediting costs, higher material costs, and poor customer service. NetWORKS Production Scheduling synchronizes the flow of material and resource utilization based on operational excellence methods such as the Theory of Constraints and lean and flow manufacturing. It supports what-if scenarios to simulate current conditions and test the effect of the changes to cost and profit — a capability that improves decision-making around cost and profit variables, such as overtime allowances, new equipment purchasing, and inventory levels.

NetWORKS Production Scheduling can help expand your margins by improving capacity utilization and the resulting customer service — all while shrinking lead-time and inventory levels. Incremental profit can be generated through additional sales, reduced outsourcing costs, capital cost avoidance on additional equipment, productivity gains, inventory reduction, and improved asset utilization.

Transforming Supply Chains into Intelligent eBusiness Trading Networks



Reduce manufacturing cycle time and improve customer service by:

- Synchronizing multi-site production plans and single plant production schedules
- Producing realistic and robust management of resources and materials
- Intelligently balancing the use of production and material
- Rapidly simulating alternative manufacturing strategies

Features & Benefits

- **Synchronized manufacturing** > Maximizes throughput
- **Customer service optimization** > Improves customer loyalty
- **Throughput velocity** > Reduces inventory and lead-time
- **Fast simulation** > Enables problems to be anticipated and quickly resolved
- **Flexibility** > Accurately models manufacturing environments
- **Fast capacity and material analysis** > Accurate manufacturing promise dates



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