

Infor Production Scheduling

Optimize your flow with Infor Production Scheduling



Manufacturers who mix, blend, brew, cook, react, or distill have scheduling challenges that are different from those in other industries. Manufacturers with these challenges must be able to perform constraint-based scheduling to optimize product flow and resource capacity of vessels, tanks, and lines.

When this can be accomplished in a collaborative environment that allows everyone to work from the same schedules at the same time, it's easier to optimize resources, maximize capacity, and minimize downtime. And with the ability to quickly and easily see key performance metrics, manufacturers can gain immediate access to the right information to improve schedule efficiency and make better decisions, faster. All of this can be possible with Infor™ Production Scheduling.

With Infor Production Scheduling, manufacturers can manage constraint-based scheduling to optimize the capacity of resources like vessels, tanks, and lines, as well as product flow between them.

Synchronize operations to reduce production costs and improve on-time delivery

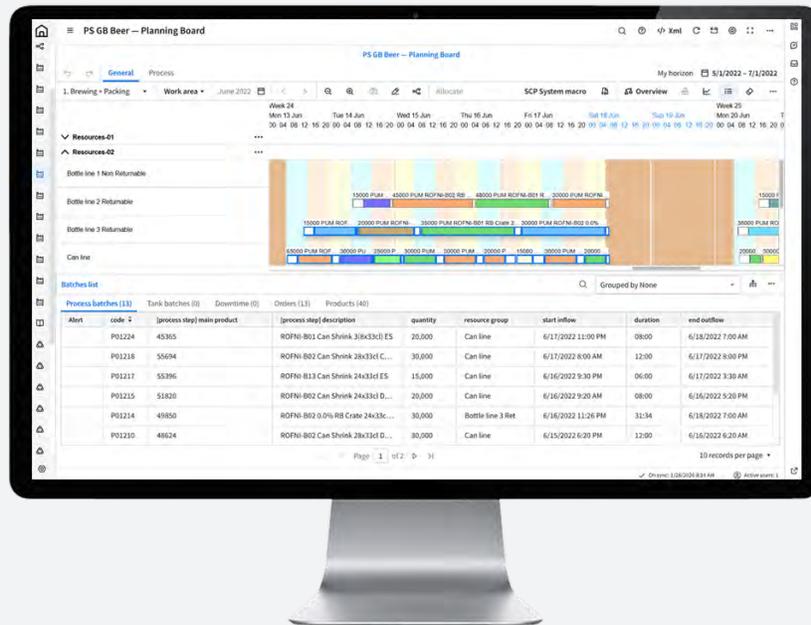
With the combined power of Infor Production Scheduling's constraint-based logic and AI-optimization capabilities, manufacturers can simultaneously schedule and synchronize operations across all production lines, including any interdependencies, reducing downtime from setup and changeovers. Plus, with Infor's more than 25 years of experience helping food, beverage, chemicals, pharmaceuticals, biotechnology, and consumer goods, manufacturers can reduce production costs and improve on-time delivery performance.

Schedule more efficiently

Unlike conventional enterprise resource planning (ERP) planning software or assembly-based scheduling systems, Infor Production Scheduling allows users to deal with recipes, by-products, co-products, and yield losses. Some of Production Scheduling's unique capabilities can be used to manage the constraints of tank and silo capacity and the flow of product between them, including:

- Variable flow rates
- Fermentation and maturation constraints
- Storage restrictions
- Product-dependent filtration and filling constraints
- Floating bottlenecks

The system takes into account all batch-process manufacturing considerations, even shelf life, overlapping processes, and clean-in- place (CIP). This helps ensure products are scheduled in the most efficient, timely, and profitable manner to meet customer demand.



Interactive Gantt chart with synchronized processes with details of the colored batches

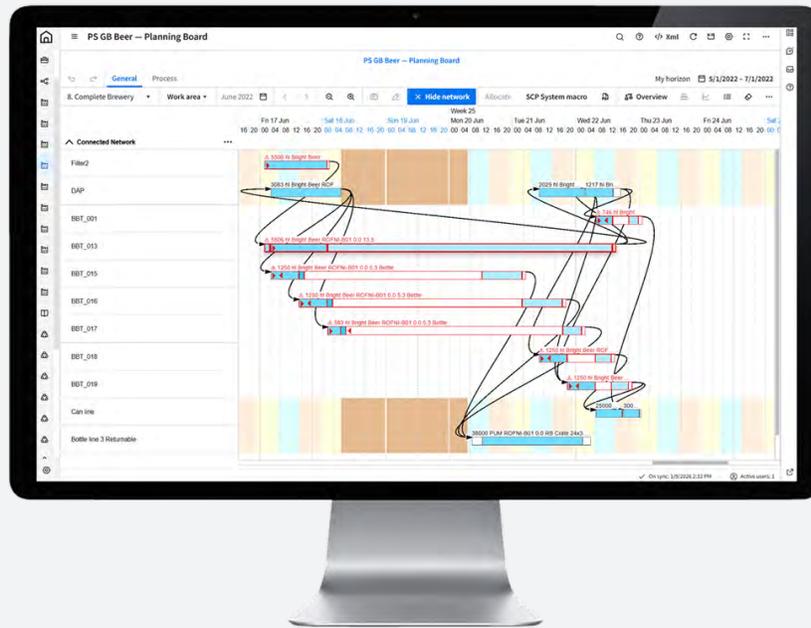
Respond rapidly to change

Customer demand is ever changing. Infor Production Scheduling improves response time when unpredictable demands happen. With automated AI-optimization techniques and an intuitive graphical planning board, Production Scheduling can be used to adjust schedules at a moment's notice. With collaborative scheduling, everyone works from the same schedule and can see changes as they happen in real time. Enabling planners to collaboratively access and adjust schedules, gives them the flexibility to respond to multiple changes and reconcile scheduling conflicts between different production departments. Planners can make on-the-fly adjustments to ensure that production schedules are accurate and optimized for the most efficient flow and minimal downtime.

Drive performance improvements

Another way to help optimize resources is by improving the efficiency of a manufacturer's production operations. Achieving that requires the ability to measure performance in order to determine what areas need the most improvement. Directly in the chart, users can access the schedule overview of real-time performance across the entire production operation, and includes color-coded order violations in addition to list of problem areas.

This allows planners to instantly gauge the impact of change on schedule performance and take the necessary actions to ensure the schedule aligns more closely with planning objectives. Users can dynamically measure performance metrics, such as the cost and duration of events like production, changeovers, set-up and downtime (including slack, idle, and CIP).



Planning Board showing the entire connected network, including Tank scheduling with inflow and outflow rates

Enable visibility and collaboration

The need to share production information with colleagues throughout an organization, with suppliers, and even with customers, is increasingly important. Manufacturers can easily accomplish this by granting all the necessary stakeholders with access to the complete Gantt chart view of production schedules, which includes information such as batch, process step, and specific order details.

This helps ensure that everyone has the most current and accurate information for critical decisions to improve customer service, maximize margins, and minimize loss due to spoilage. Users can also set personalized views of schedules that are targeted toward specific production operations. Additionally, Infor [Production Scheduling](#) includes powerful, filtered search capabilities that allow users to quickly find specific line items.

With this increased visibility, manufacturers can gain total control of their plants and achieve measurable improvements in production, service, and profitability. And because users get solid information when they need it, they can make better decisions more quickly.



Planning Board displaying overview of schedule, performance, violations, as well as labor usage

Experience bottom-line improvements

Customers who implemented Infor Production Scheduling have benefited from bottom-line improvements including:

- Increased on-time delivery performance by up to 5%
- Decreased lost time due to changeovers by as much as 30%
- Reduced cycle times by over 20%
- Reduced production costs by up to 10%
- Increased capacity utilization and throughput between 10% to 40%

With nfor Production Scheduling, manufacturers get the tools they need to optimize production resources, reduce costs, improve performance, and grow revenue.



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Elevate your supply chain performance with the Infor Supply Chain Planning Portfolio

Infor Production Scheduling is part of Infor's AI- and data-driven [Supply Chain Planning](#) portfolio. In addition to Production Scheduling, the portfolio includes [Infor Integrated Business Planning \(S&OP\)](#), [Infor Demand Forecasting](#), and [Infor Supply Planning](#). When these products are deployed together, organizations gain greater visibility, agility, and resilience in their supply chain. The portfolio is purpose-built for process manufactures, minimizing customizations and reducing integration complexity. It includes industry-embedded capabilities such as managing shelf life and maturation lead times during planning, advanced modeling for milk valorization, recipe optimization, protein processing, and many others—in addition to the advanced scheduling and sequencing highlighted in this Infor Production Scheduling brochure.

About Infor

Infor is a global leader in business cloud software products for companies in industry-specific markets. Infor builds complete industry suites in the cloud and efficiently deploys technology that puts the user experience first, leverages data science, and integrates easily into existing systems. Over 67,000 organizations worldwide rely on Infor to help overcome market disruptions and achieve business-wide digital transformation.

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See how Infor Production Scheduling can benefit your bottom line

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