



Infor Advanced Scheduling

Manage your flow

As a manufacturer who mixes, blends, brews, cooks, reacts, or distills, your scheduling challenges are different from those in other industries. You need to be able to perform constraint-based scheduling to optimize your production resources, such as the capacity of vessels, tanks, and lines—and the flow of product between them.

When you can do this in collaborative environment that allows everyone to work from the exact same schedules at the same time, you're better able to optimize resources, maximize capacity, and minimize downtime. And with the ability to quickly and easily see key performance metrics, you gain immediate access to the information you need to improve schedule efficiency and make better decisions, faster. You get this, and more, with Infor® Advanced Scheduling.

Synchronize your operations

With the combined power of Advanced Scheduling's constraint-based logic and optimization capabilities, you can simultaneously schedule and synchronize operations across all production lines, including any interdependencies, so you can expect less downtime from set up and changeovers.

Plus, you get the benefit of Infor's more than 25 years of experience helping food, beverage, chemicals, pharmaceuticals, biotechnology, and consumer goods manufacturers reduce production costs and improve on-time delivery performance.

Schedule more efficiently

Unlike conventional ERP planning software or assembly-based scheduling systems, Advanced Scheduling allows you to deal with recipes, by-products, co-products, and yield losses. Some of Advanced Scheduling's unique capabilities allow you to manage the constraints of tank and silo capacity and the flow of product between them, including:

With Infor Advanced Scheduling, you can manage constraint-based scheduling to optimize your production resources, such as the capacity of vessels, tanks, and lines—and the flow of product between them.

- 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)—to help ensure your products are scheduled in the most efficient, timely, and profitable manner to meet customer demand.

Optimization—respond rapidly to change

The one constant about customer demand is that it's ever changing. Advanced Scheduling lets you respond more quickly to unpredictable demands, with automated optimization techniques and an intuitive graphical planning board that gives you the power 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. Because all of your planners can collaboratively access and adjust schedules, you gain the flexibility to more easily 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.

Improve efficiency—drive performance improvements

Another way to help optimize resources is by improving the efficiency of your production operation. To do that, you have to be able to measure performance, to determine which areas need the most improvement.

With just a single click, you can access the Schedule Performance Dashboard, which gives you an overview of the real-time performance of your entire production operation—including color-coded order violations—on a single screen. This allows your 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. You can dynamically measure performance metrics, such as the cost and duration of events, like:

- Production
- Changeovers
- Set up
- Downtime (including slack, idle, and CIP)

Visibility—improve communication and collaboration

The need to share production information with colleagues throughout your organization, your suppliers, and even your customers, is increasingly important. You can easily accomplish this by granting them all Internet-based access to the complete Gantt chart view of your production schedule, which includes information such as batch, process step, and specific order details. This helps ensure

that you have the most current and accurate information for critical decisions to improve customer service, maximize margins, and minimize loss due to spoilage. You can also set personalized views of your schedules that are targeted toward specific production operations

Advanced Scheduling also includes powerful, filtered search capabilities that allow you to quickly find specific line items.

With this increased visibility, you have the power to gain total control of your plant and achieve measurable improvements in production, service, and profitability. And because you get solid information when you need it, you'll be able to make better decisions more quickly.

See bottom-line improvements

Customers who implemented Infor Advanced 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 10-40%.

With Advanced Scheduling, you get tools you need to optimize your production resources, so you too can reduce costs, improve performance, and grow revenue.



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About Infor

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