



Smart Factory Advanced Planning and Scheduling (APS)

Automate and optimize your manufacturing processes with Smart Factory advanced planning and scheduling

Smart Factory Advanced Planning and Scheduling for Acumatica is a robust solution designed to provide comprehensive advanced planning and scheduling tools for manufacturers to enhance the manufacturing process with effective resource utilization, on-time deliveries, manage multiple constraints to meet production order timelines, resulting in on-time deliveries, and get the easy accessibility of the solution within Acumatica.

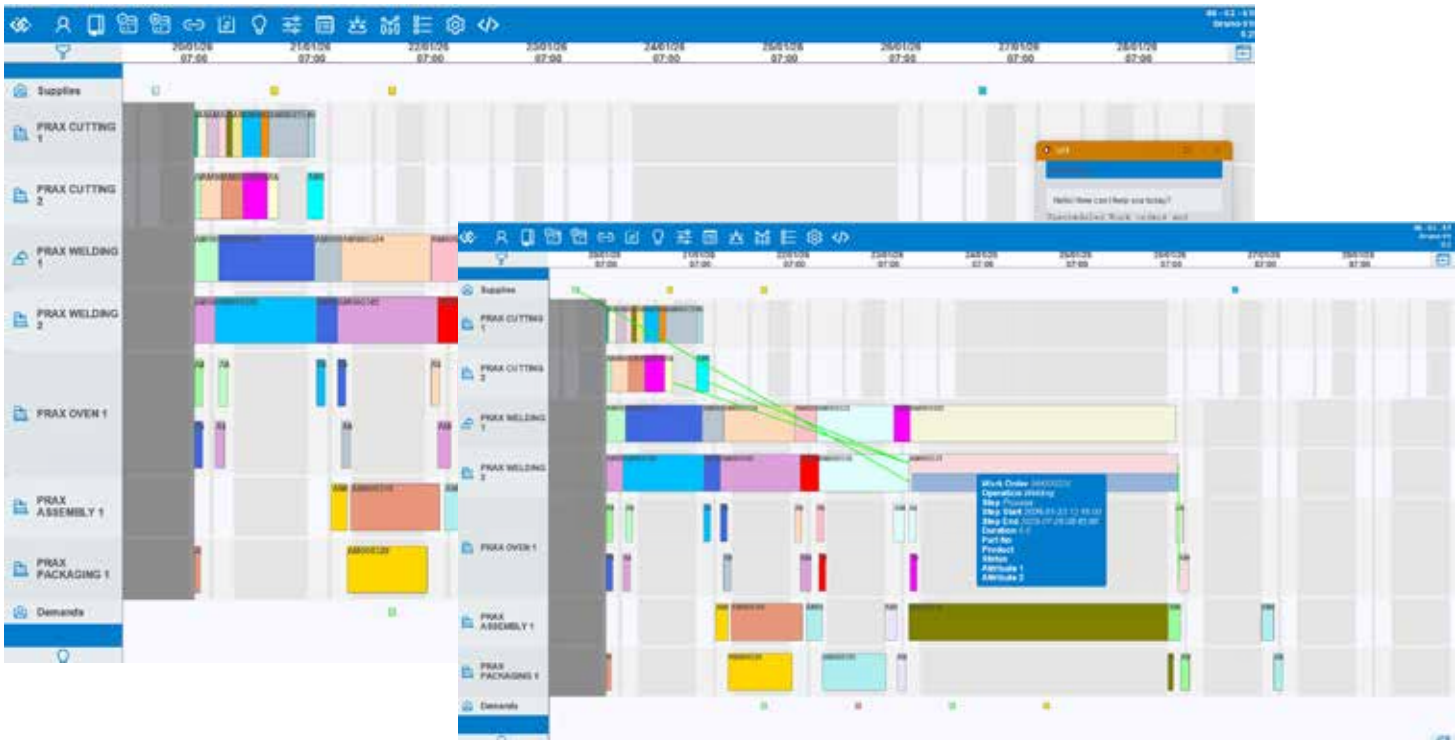
Streamline the manufacturing workflow process, resulting in efficient output by leveraging advanced planning algorithms to schedule and execute production orders precisely within preset timelines.

Why Advanced Planning and Scheduling for Acumatica

- Plan, track, automate, analyse, and optimize production orders
- Efficient allocation of resources such as machines, labor, and work center
- Meet the dynamic market and customer demands
- Improvement in productivity and reducing WIP with on-time deliveries

Business Benefits

- Minimize downtime and costs
- Reduce inventory levels and wastage
- Increase production efficiency
- Utilize machines and tools
- Enhance customer service levels



Smart Factory Advanced Planning and Scheduling Includes:

Production Planning	Create optimized production schedules considering constraints such as machine capacities, material availability, and order priorities.
Bill of Material Planning	Setup of resources (machines and work centers) for various operations on Bill of Material. Know the alternate machines, and work centers available to meet production order timelines.
Scheduling Optimization	Generate and create schedules that minimize downtime, reduce setup times, and improve overall efficiency based on the availability of material, resources, and constraints.
Resource Management	Efficiently allocates resources such as machinery, labor, and materials to meet production targets while considering constraints and limitations.
Interactive Visualization	On the schedule board, with drag and drop, check the alternate resource and secondary constraint availability for any specific operation to complete the production order and schedule accordingly.
Sequencing	Allows forward, backward, and bi-directional sequencing based on parameters like due dates, priorities, schedule sort order, and weight.
Synchronization	Data synchronization of the Acumatica ERP and Smart Factory Advanced Planning and Scheduling (APS) system.
Monitoring Execution	Monitor execution of orders on production lines or work centers.
Manage Constraints	Manage constraints by tracking and assessing the availability of tools, machines, labor, and skills for the production process.
Real-Time Tracking	Assess the performance of the production process by tracking the progress of orders. Track actual completion times with scheduled completion times.
Graphical visualization	Visibility of scheduled production orders on Gantt chart to Acumatica production user.
Reporting	Analyze production data with comprehensive reports, facilitating better understanding.
Accessibility	APS can be easily accessed within Acumatica application.

Focused Industries

- Automotive
- Pharmaceuticals
- Food and Beverages
- Electronics
- Aerospace and Defense
- Chemicals
- Metal and Mechanic
- Plastics and Rubber
- Health and Personal Care

About eWorkplace Apps

eWorkplace Apps extends Acumatica to meet your unique manufacturing and distribution needs. Based in Aliso Viejo, CA, eWorkplace Apps is comprised of over 50 Acumatica developers, implementation consultants, and analysts with deep industry expertise to help optimize your business on the Acumatica platform.