

Manage and Monitor your Shop Floor Schedule and Work Center Capacity

Acumatica Manufacturing Edition's Advanced Planning and Scheduling (APS) allows manufacturers to consistently and cost-effectively meet customer demands by setting accurate and reliable delivery dates based on finite resource availability. Optimize manufacturing production by managing resource constraints, including materials, production capacity, process sequences, tooling, and facility schedules.

Advanced Planning and Scheduling software provides essential planning capabilities, real-time insights into production, and the ability to accurately schedule employee and machine resources. It allows you to determine requirements for materials and capacity while providing efficient use of production assets.

FINITE CAPACITY SCHEDULING

Know how much work can be produced in a given timeframe, considering limitations on various resources and demands.

ROUGH CUT CAPACITY PLANNING (RCCP)

Verify that you have sufficient capacity available to meet the capacity requirements for your master schedule.

CAPABLE TO PROMISE (CTP)

Access Capable to Promise (CTP) from sales orders and quotes to calculate availability dates for manufactured items considering capacity constraints, material availability, and vendor lead times.

WORK CENTER UTILIZATION

Compare the available hours for a work center to the actual hours scheduled for a work center.

Work Center Dispatch											
Workcenter: <input type="text" value="WC10"/> Order Type: <input type="text"/>											
Drag column header here to configure filter											
Work Center	Order Type	Production Nbr	Status	Operation ID	Order Description	Qty to Produce	Qty Complete	Qty Scrapped	Start Date	End Date	Inventory ID
WC10	RD	AM0000007	Planned	0010	Assembly	0.00	0.00	0.00	1/2/2020	1/2/2020	AMKEUR045
WC10	RD	AM0000009	Planned	0010	Assembly	0.00	0.00	0.00	11/7/2019	11/7/2019	AMKEUR045
WC10	RD	AM0000011	Planned	0010	Assembly	0.00	0.00	0.00	11/11/2019	11/11/2019	AMKEUR045
WC10	RD	AM0000012	Planned	0010	Assembly	0.00	0.00	0.00	11/8/2019	11/8/2019	AMKEUR045
WC10	RD	AM0000014	Planned	0010	Assembly	0.00	0.00	0.00	11/8/2019	11/8/2019	AMPC0
WC10	RD	AM0000019	Planned	0010	Assembly	0.00	0.00	0.00	11/11/2019	11/13/2019	AMWYQGET
WC10	RD	AM0000017	In Process	0010	Assembly	20.00	5.00	0.00	11/11/2019	11/11/2019	AMCNC009
WC10	RD	AM0000038	In Process	0010	Assembly	10.00	0.00	0.00	2/20/2020	2/20/2020	AMKEUR045

Access schedules for work centers, machines, and tools with dispatch lists providing details related to scheduled production orders.

KEY BENEFITS

COORDINATE ACTIVITIES

- Manage your entire business with complete real-time information on your operations
- Coordinate labor, machines, and inventory and optimize your company's processes

IMPROVED CUSTOMER EXPERIENCE

- Improve the customer experience by empowering customer service and sales representatives with Capable-to-Promise (CTP) functionality to calculate realistic delivery dates for items on quotes and sales orders based on capacity constraints, vendor lead times, and material availability.

STAY ON ONE PLATFORM AS YOU GROW

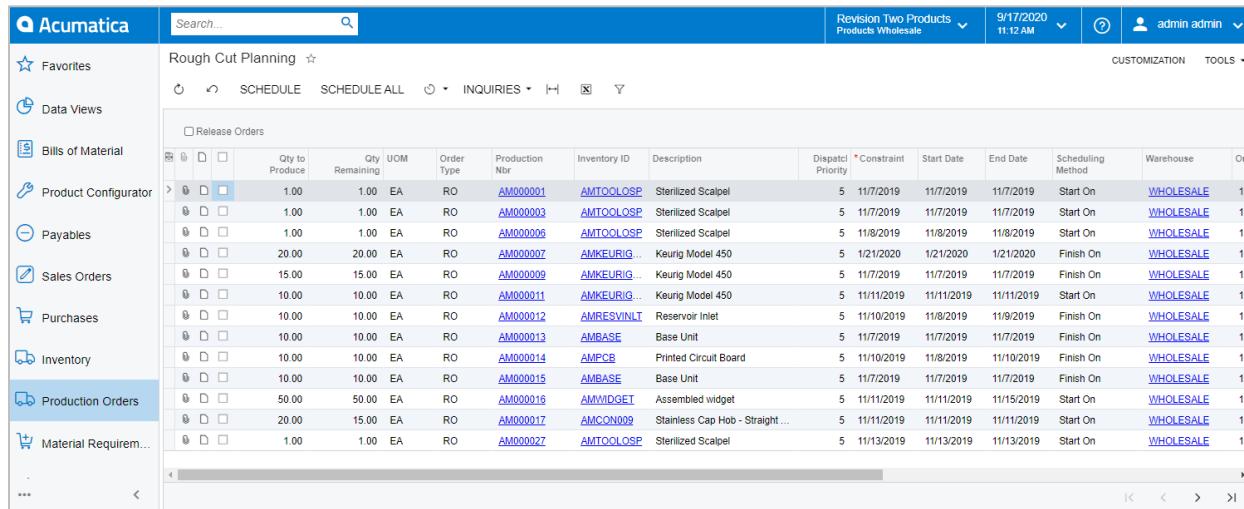
- Adapt the software to your changing needs
- Leverage powerful features and functions for multiple production environments

DEPLOYMENT OPTIONS

- Get Acumatica as a subscription (SaaS) or purchase the license. Deploy on-premise, on a hosted server, or on a Cloud platform

ADVANCED PLANNING AND SCHEDULING FEATURES AND CAPABILITIES

Work Center Capacity Planning	Enables the system to plan, monitor, and provide details regarding the work center.
Rough-Cut Capacity Planning (RCCP)	RCCP schedules open production orders against finite capacity constraints. Optionally, the orders selected can be released. Orders are loaded and scheduled in sequence based on priority, constraint dates, and production order numbers. The availability of material is considered including supply orders such as purchase orders, transfer orders, or component production orders. Planners may exclude planning orders from RCCP to focus only on actual production orders.
Capable to Promise (CTP)	Use Advanced Planning and Scheduling to determine how many units of an item will be available by a specified date or calculate availability dates for a quantity of items based on finite capacity constraints, material availability, and vendor lead times.
Dispatch Lists	Utilize work center and machine dispatch reports for a clear view of currently scheduled production orders and operations. View reports identifying required resources for scheduled production orders.
Machine Scheduling	Allows the user to schedule specific machines only when both the machine and the employee running it are available.
Tool Scheduling	Schedule production against finite tooling constraints such as dies, jigs, molds, or fixtures.
Work Center Capacity Planning	Plan, monitor, and manage work center capacity using rough cut capacity planning with finite scheduling for operation durations based on crew sizes and labor efficiency.



The screenshot shows the Acumatica Rough Cut Planning interface. The left sidebar contains navigation links for Favorites, Data Views, Bills of Material, Product Configurator, Payables, Sales Orders, Purchases, Inventory, Production Orders, and Material Requirements Planning. The main area displays a table of scheduled production orders. The columns include: Qty to Produce, Qty Remaining, UOM, Order Type, Production Nbr, Inventory ID, Description, Dispatch Priority, Constraint, Start Date, End Date, Scheduling Method, Warehouse, and Order. The table lists various items like Sterilized Scalpel, Keurig Model 450, and Printed Circuit Board, with their respective details and scheduling information.

Production Management – Rough Cut Planning

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