

# Advanced Planning and Scheduling

## Manage and Monitor your Shop Floor Schedule and Work Center Capacity

Acumatica Manufacturing Edition's Advanced Planning and Scheduling allows manufacturers to consistently and cost effectively meet customer demands by setting accurate and reliable delivery dates based on actual availability of resources.

Optimize manufacturing productions by integrating key elements, including materials, production capacity, process sequence, and facility schedules, into a powerful, real-time planning and execution application.

Advanced Planning and Scheduling software provides users what-if planning capability, real-time available-to-promise, as well as the ability to accurately schedule employee and/or machine resources. It allows you to more accurately 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 time period, taking into account limitations on various resources.

### ROUGH CUT CAPACITY PLANNING

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

### WORK CENTER UTILIZATION

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

### CAPABLE-TO-PROMISE

Meet customer delivery demands while optimizing machine and tool capacity, as well as all material options.

### 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

#### STAY ON ONE PLATFORM AS YOU GROW

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

#### DEPLOY ACCORDING TO YOUR NEEDS

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

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## ADVANCED PLANNING AND SCHEDULING FEATURES AND CAPABILITIES

### Work Center Capacity Planning

Enables the system to plan, monitor, and provide details regarding the work center.

### What-if Scenarios

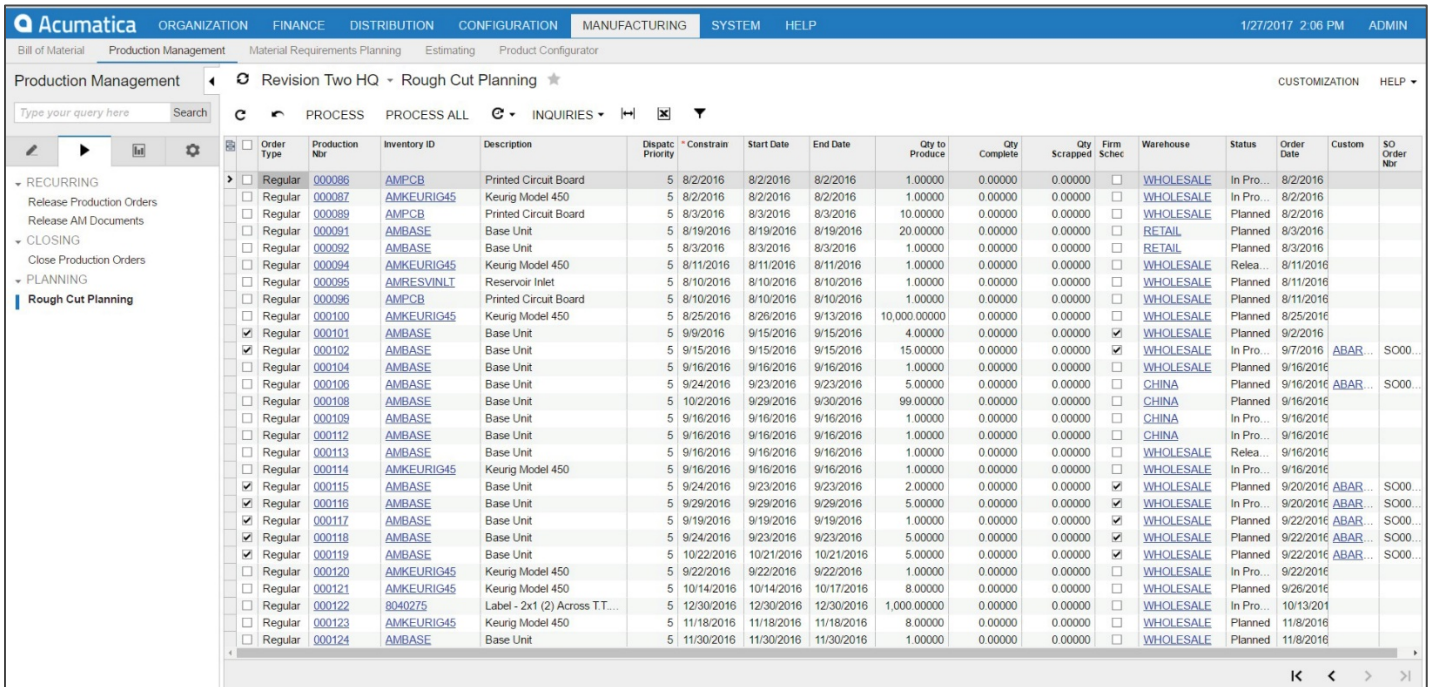
Provides the user the ability to set custom parameters and use those to forecast other, usually unrelated, parameters.

### Machine Scheduling

Allows the user to schedule certain machines only at times when both the machine and the employee running it are available.

### Tool Scheduling

The ability to schedule tooling required in a production process.



The screenshot shows the Acumatica Production Management - Rough Cut Planning interface. The top navigation bar includes tabs for ORGANIZATION, FINANCE, DISTRIBUTION, CONFIGURATION, MANUFACTURING (selected), SYSTEM, and HELP. The main header shows the date 1/27/2017, time 2:06 PM, and the user ADMIN. Below the header, there's a search bar and a list of production orders. The table displays the following columns: Order Type, Production Nbr, Inventory ID, Description, Dispatch Priority, Start Date, End Date, Qty to Produce, Qty Complete, Qty Scrapped, Firm Sched, Warehouse, Status, Order Date, Custom, and SO Order Nbr. The table lists various production orders, including AMPCB, AMKEURIG45, AMBASE, and AMRESVINLT, with their respective quantities and dates.

Order Type	Production Nbr	Inventory ID	Description	Dispatch Priority	Start Date	End Date	Qty to Produce	Qty Complete	Qty Scrapped	Firm Sched	Warehouse	Status	Order Date	Custom	SO Order Nbr
Regular	000086	AMPCB	Printed Circuit Board	5	8/2/2016	8/2/2016	1.00000	0.00000	0.00000	<input type="checkbox"/>	WHOLESALE	In Pro...	8/2/2016		
Regular	000087	AMKEURIG45	Keurig Model 450	5	8/2/2016	8/2/2016	1.00000	0.00000	0.00000	<input type="checkbox"/>	WHOLESALE	In Pro...	8/2/2016		
Regular	000089	AMPCB	Printed Circuit Board	5	8/3/2016	8/3/2016	10.00000	0.00000	0.00000	<input type="checkbox"/>	WHOLESALE	Planned	8/2/2016		
Regular	000091	AMBASE	Base Unit	5	8/19/2016	8/19/2016	20.00000	0.00000	0.00000	<input type="checkbox"/>	RETAIL	Planned	8/3/2016		
Regular	000092	AMBASE	Base Unit	5	8/3/2016	8/3/2016	1.00000	0.00000	0.00000	<input type="checkbox"/>	RETAIL	Planned	8/3/2016		
Regular	000094	AMKEURIG45	Keurig Model 450	5	8/11/2016	8/11/2016	1.00000	0.00000	0.00000	<input type="checkbox"/>	WHOLESALE	Relea...	8/11/2016		
Regular	000095	AMRESVINLT	Reservoir Inlet	5	8/10/2016	8/10/2016	1.00000	0.00000	0.00000	<input type="checkbox"/>	WHOLESALE	Planned	8/11/2016		
Regular	000096	AMPCB	Printed Circuit Board	5	8/10/2016	8/10/2016	1.00000	0.00000	0.00000	<input type="checkbox"/>	WHOLESALE	Planned	8/11/2016		
Regular	000100	AMKEURIG45	Keurig Model 450	5	8/25/2016	8/25/2016	10.00000	0.00000	0.00000	<input type="checkbox"/>	WHOLESALE	Planned	8/25/2016		
Regular	000101	AMBASE	Base Unit	5	9/9/2016	9/15/2016	4.00000	0.00000	0.00000	<input checked="" type="checkbox"/>	WHOLESALE	Planned	9/2/2016		
Regular	000102	AMBASE	Base Unit	5	9/15/2016	9/15/2016	15.00000	0.00000	0.00000	<input checked="" type="checkbox"/>	WHOLESALE	In Pro...	9/7/2016	ABAR...	SO00...
Regular	000104	AMBASE	Base Unit	5	9/16/2016	9/16/2016	1.00000	0.00000	0.00000	<input type="checkbox"/>	WHOLESALE	Planned	9/16/2016		
Regular	000106	AMBASE	Base Unit	5	9/24/2016	9/23/2016	5.00000	0.00000	0.00000	<input type="checkbox"/>	CHINA	Planned	9/16/2016	ABAR...	SO00...
Regular	000108	AMBASE	Base Unit	5	10/2/2016	9/30/2016	99.00000	0.00000	0.00000	<input type="checkbox"/>	CHINA	Planned	9/16/2016		
Regular	000109	AMBASE	Base Unit	5	9/16/2016	9/16/2016	1.00000	0.00000	0.00000	<input type="checkbox"/>	CHINA	In Pro...	9/16/2016		
Regular	000112	AMBASE	Base Unit	5	9/16/2016	9/16/2016	1.00000	0.00000	0.00000	<input type="checkbox"/>	CHINA	In Pro...	9/16/2016		
Regular	000113	AMBASE	Base Unit	5	9/16/2016	9/16/2016	1.00000	0.00000	0.00000	<input type="checkbox"/>	WHOLESALE	Relea...	9/16/2016		
Regular	000114	AMKEURIG45	Keurig Model 450	5	9/16/2016	9/16/2016	1.00000	0.00000	0.00000	<input type="checkbox"/>	WHOLESALE	In Pro...	9/16/2016		
Regular	000115	AMBASE	Base Unit	5	9/24/2016	9/23/2016	2.00000	0.00000	0.00000	<input checked="" type="checkbox"/>	WHOLESALE	Planned	9/20/2016	ABAR...	SO00...
Regular	000116	AMBASE	Base Unit	5	9/29/2016	9/29/2016	5.00000	0.00000	0.00000	<input checked="" type="checkbox"/>	WHOLESALE	In Pro...	9/20/2016	ABAR...	SO00...
Regular	000117	AMBASE	Base Unit	5	9/19/2016	9/19/2016	1.00000	0.00000	0.00000	<input checked="" type="checkbox"/>	WHOLESALE	Planned	9/22/2016	ABAR...	SO00...
Regular	000118	AMBASE	Base Unit	5	9/24/2016	9/23/2016	5.00000	0.00000	0.00000	<input checked="" type="checkbox"/>	WHOLESALE	Planned	9/22/2016	ABAR...	SO00...
Regular	000119	AMBASE	Base Unit	5	10/22/2016	10/21/2016	5.00000	0.00000	0.00000	<input checked="" type="checkbox"/>	WHOLESALE	Planned	9/22/2016	ABAR...	SO00...
Regular	000120	AMKEURIG45	Keurig Model 450	5	9/22/2016	9/22/2016	1.00000	0.00000	0.00000	<input type="checkbox"/>	WHOLESALE	In Pro...	9/22/2016		
Regular	000121	AMKEURIG45	Keurig Model 450	5	10/14/2016	10/14/2016	8.00000	0.00000	0.00000	<input type="checkbox"/>	WHOLESALE	Planned	9/26/2016		
Regular	000122	8040275	Label - 2x1 (2) Across T.T...	5	12/30/2016	12/30/2016	1,000.00000	0.00000	0.00000	<input type="checkbox"/>	WHOLESALE	In Pro...	10/13/201		
Regular	000123	AMKEURIG45	Keurig Model 450	5	11/18/2016	11/18/2016	8.00000	0.00000	0.00000	<input type="checkbox"/>	WHOLESALE	Planned	11/8/2016		
Regular	000124	AMBASE	Base Unit	5	11/30/2016	11/30/2016	1.00000	0.00000	0.00000	<input type="checkbox"/>	WHOLESALE	Planned	11/8/2016		

Production Management – Rough Cut Planning

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