



MATERIAL REQUIREMENTS PLANNING (MRP)

SATISFY CUSTOMER REQUIREMENTS WHILE MAINTAINING OPTIMAL INVENTORY LEVELS USING THE POWERFUL ACUMATICA MANUFACTURING EDITION MRP PLANNING TOOL.

Generate time-phased manufacturing and purchasing plans for optimal inventory availability tied to forecast and customer demands. Reduce inventory while improving customer service and avoiding shortages.

MRP DISPLAY

- This core MRP screen shows the planner exactly what needs to be purchased and/or produced.
- All supply and demand can be viewed from this one centralized location.
- Production and Purchase Orders can be created directly from this screen.

FULL REGENERATION

- Schedule regeneration to run anytime, day or night.
- All existing planned orders for all items are eliminated.
- MRP starts over, calculating gross and net requirements, and then replans what materials are required to either be produced or purchased.

MASTER PRODUCTION SCHEDULE

- Drive your plan and your plant from the Master Production Schedule (MPS).
- MRP plans all requirements based upon MPS.
- MPS will be treated as a pre-planned production order and will act as a supply for other demand requirements.

KEY BENEFITS

COORDINATE ACTIVITIES

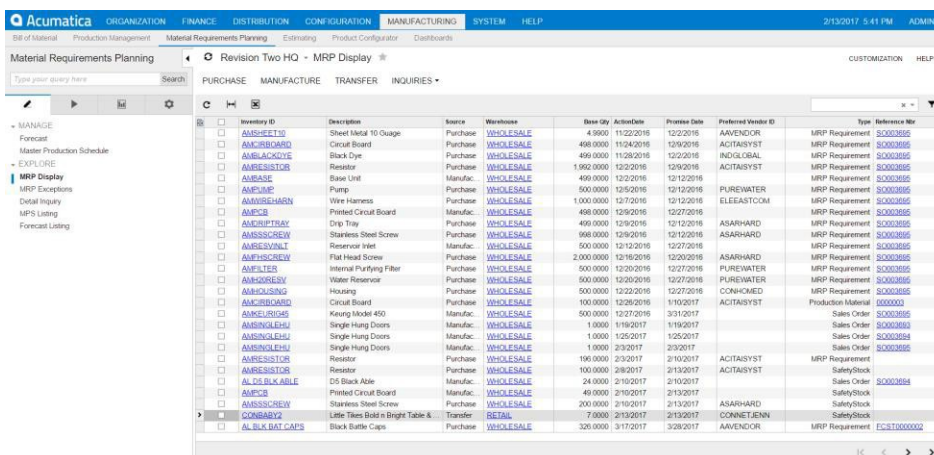
- Manage your entire business with complete, real-time information for your operations
- Coordinate labor, machines, and inventory and optimize your company's processes

STAY ON ONE PLATFORM AS YOU GROW

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

MRP EXCEPTION MESSAGES HANDLE PROBLEMS WITH EASE

- Shows the planner recommendations to defer, expedite, and delete supply items
- Identify late orders and display any transfers that are available from another warehouse or site



Inventory ID	Description	Source	Warehouse	Base Qty	Action Date	Process Date	Preferred Vendor ID	Type	Reference No
AMCISBOARD	Sheet Metal 10 Gauge	Purchase	WHOLESALE	4,900	11/22/2016	12/22/2016	AVENDOR	MRP Requirement	SC003955
AMCISBOARD	Circuit Board	Purchase	WHOLESALE	468,000	11/24/2016	12/9/2016	ACTIASYST	MRP Requirement	SC003955
AMBLACDYE	Black Dye	Purchase	WHOLESALE	499,000	11/28/2016	12/2/2016	INDGLOBAL	MRP Requirement	SC003955
AMRESISTOR	Resistor	Purchase	WHOLESALE	1,902,000	12/22/2016	12/9/2016	ACTIASYST	MRP Requirement	SC003955
AMRISC	Black Ink	Manufact.	WHOLESALE	499,000	12/22/2016	12/12/2016		MRP Requirement	SC003955
AMPUMP	Pump	Purchase	WHOLESALE	500,000	12/5/2016	12/12/2016	PUREWATER	MRP Requirement	SC003955
AMWIREHARN	Wire Harness	Purchase	WHOLESALE	1,000,000	12/7/2016	12/12/2016	ELEASTCOM	MRP Requirement	SC003955
AMPCB	Printed Circuit Board	Manufact.	WHOLESALE	498,000	12/9/2016	12/27/2016		MRP Requirement	SC003955
AMDRIPTRAY	Drip Tray	Purchase	WHOLESALE	499,000	12/9/2016	12/12/2016	ASARHARD	MRP Requirement	SC003955
AMSSCREW	Stainless Steel Screw	Purchase	WHOLESALE	968,000	12/9/2016	12/12/2016	ASARHARD	MRP Requirement	SC003955
AMSDWALT	Removal Wheel	Manufact.	WHOLESALE	500,000	12/12/2016	12/27/2016		MRP Requirement	SC003955
AMFSCREW	Flat Head Screw	Purchase	WHOLESALE	2,000,000	12/16/2016	12/20/2016	ASARHARD	MRP Requirement	SC003955
AMFILTER	Internal Purifying Filter	Purchase	WHOLESALE	500,000	12/20/2016	12/27/2016	PUREWATER	MRP Requirement	SC003955
AMWATERSEN	Water Resensor	Purchase	WHOLESALE	500,000	12/20/2016	12/27/2016	PUREWATER	MRP Requirement	SC003955
AMRISCING	Housing	Manufact.	WHOLESALE	500,000	12/22/2016	12/27/2016	CONFORMED	MRP Requirement	SC003955
AMCISBOARD	Circuit Board	Purchase	WHOLESALE	100,000	12/28/2016	1/10/2017	ACTIASYST	Production Material	000003
AMKURICH	Keurig Model 450	Manufact.	WHOLESALE	500,000	12/27/2016	3/31/2017		Sales Order	SC003955
AMINSOLESH	Single-Hung Doors	Manufact.	WHOLESALE	1,000	1/16/2017	1/16/2017		Sales Order	SC003959
AMINSOLESH	Single-Hung Doors	Manufact.	WHOLESALE	1,000	1/25/2017	1/25/2017		Sales Order	SC003958
AMINSOLESH	Single Hung Doors	Manufact.	WHOLESALE	1,000	2/3/2017	2/3/2017		Sales Order	SC003956
AMRESISTOR	Resistor	Purchase	WHOLESALE	199,000	2/3/2017	2/10/2017	ACTIASYST	MRP Requirement	SC003955
AMRESISTOR	Resistor	Purchase	WHOLESALE	100,000	2/8/2017	2/10/2017	ACTIASYST	SafetyStock	
ALCBLKABLE	D5 Black Able	Manufact.	WHOLESALE	24,000	2/10/2017	2/10/2017		Sales Order	SC003958
AMPCB	Printed Circuit Board	Manufact.	WHOLESALE	49,000	2/10/2017	2/13/2017		SafetyStock	
AMSSCREW	Stainless Steel Screw	Purchase	WHOLESALE	200,000	2/10/2017	2/13/2017	ASARHARD	SafetyStock	
CONSBAY2	Lite-Tites Bolt n Bright Table &	Transfer	RETAIL	7,000	2/13/2017	2/13/2017	CONNJETENN	SafetyStock	
ALBLK.BAT.CAPS	Black Bottle Caps	Purchase	WHOLESALE	328,000	3/17/2017	3/28/2017	AVENDOR	MRP Requirement	FC311000002

Maintain optimal inventory levels while keeping your customers happy



MATERIAL REQUIREMENTS PLANNING FEATURES AND CAPABILITIES

Forecasting

Forecasts can be calculated or entered manually. These forecasts can be dependent and consumed by sales orders, or can be independent. Forecasts can be input as one-time, weekly, monthly, or yearly.

MRP Detail

Review and execute the complete material plan through MRP screens that show all activity, orders, requirements, balances, and recommendations for an inventory item.

Bucketless System

Enhance your manufacturing resource planning by planning every requirement for every item. Acumatica MRP does not ignore detail by grouping requirements together.

Multi-Site Planning

Controls whether MRP will plan requirements by site or by a combination of sites.

THE ACUMATICA ERP DIFFERENCE

Acumatica delivers a full suite of integrated business management applications unlike any other ERP solution on the market today.

STREAMLINE OPERATIONS

Manage your business more efficiently:

- Automate processes
- Control workflows
- Access the system from anywhere on any device—including mobile
- Promote collaboration with all-inclusive user licensing

ADAPTABLE SOLUTION

Add and extend:

- Deploy in-house or in a private or public cloud
- Easily configure your solution to fit your needs
- Add capabilities such as CRM or data visualization at any time
- Extend to other solutions and applications beyond ERP

YOUR BUSINESS ACCELERATED

Get a single version of the truth:

- Accelerate business performance and make smarter decisions with automated processes, real-time data collection, financial analyses, and forecasting
- No per user pricing – system scales as your business grows

Inventory ID	Type	Ref Type	Reference	Quantity	Required Date	Process Date	Warehouse	Supply Qty	Supply Warehouse
ACUM001001	Delete	Production Order	000001	0.0000	1/21/2016	1/21/2016	WHOLESALE	0.0000	
ACUM001002	Late Order	Production Order	000002	0.0000	1/21/2016	1/21/2016	WHOLESALE	0.0000	
AMFC001	Expedit	Production Order	000003	1.0000	1/27/2016	1/10/2017	WHOLESALE	0.0000	
AMFC002	Late Order	Production Order	000003	1.0000	1/27/2016	1/10/2017	WHOLESALE	0.0000	
AMFC003	Order	Production Order	000003	1.0000	1/1/2017	1/27/2017	WHOLESALE	0.0000	
AMFC004	Late Order	Production Order	000003	1.0000	1/1/2017	1/27/2017	WHOLESALE	0.0000	
INDOV001	Delete	Purchase Order	000123	0.0000	1/10/2014	1/10/2014	WHOLESALE	0.0000	
INDOV002	Late Order	Purchase Order	000124	0.0000	1/10/2014	1/10/2014	WHOLESALE	0.0000	
INDOV003	Delete	Purchase Order	000124	0.0000	1/10/2014	1/10/2014	WHOLESALE	0.0000	
WJ000103	Order	Purchase Order	EC000029	0.0000	10/22/2013	10/22/2016	WHOLESALE	0.0000	
WJ000104	Late Order	Purchase Order	EC000029	0.0000	10/22/2013	10/22/2016	WHOLESALE	0.0000	
ACUM001003	Purchase Order	Purchase Order	EC000048	0.0000	11/10/2016	1/25/2016	WHOLESALE	0.0000	
ACUM001004	Late Order	Purchase Order	EC000048	0.0000	11/10/2016	1/25/2016	WHOLESALE	0.0000	
AM00000002	Order	Purchase Order	EC000058	80.0000	2/1/2017	2/1/2017	WHOLESALE	0.0000	
AM00000003	Expedit	Purchase Order	EC000054	4.0000	1/27/2017	2/1/2017	WHOLESALE	0.0000	
AM00000004	Late Order	Purchase Order	EC000054	4.0000	1/27/2017	2/1/2017	WHOLESALE	0.0000	
CON00012	Delete	Transfer Supply	00000412	0.0000	2/10/2016	2/10/2016	WHOLESALE	0.0000	
CON00012	Late Order	Transfer Supply	00000412	0.0000	2/10/2016	2/10/2016	WHOLESALE	0.0000	

Handle exceptions with ease

Selected	Inventory ID	Warehouse	Begin Date	End Date	Quantity	UOM	Change in Stock	Percent Change	Dependent
<input checked="" type="checkbox"/>	ACUM001001	WHOLESALE	1/27/2017	1/26/2018	2,847,000.00	EA	0.0000	0.00	<input type="checkbox"/>
<input type="checkbox"/>	AM00000001	WHOLESALE	1/27/2017	1/26/2018	2,000.00	EA	0.0000	0.00	<input type="checkbox"/>
<input type="checkbox"/>	ACUM00000002	RETAIL	1/27/2017	1/26/2018	3,010,000.00	EA	0.0000	0.00	<input type="checkbox"/>
<input type="checkbox"/>	CON00012	WHOLESALE	1/27/2017	1/26/2018	10,000.00	EA	0.0000	0.00	<input type="checkbox"/>
<input type="checkbox"/>	CON00012	WHOLESALE	1/27/2017	1/26/2018	913,000.00	EA	0.0000	0.00	<input type="checkbox"/>
<input type="checkbox"/>	CON00012	WHOLESALE	1/27/2017	1/26/2018	724,000.00	EA	0.0000	0.00	<input type="checkbox"/>
<input type="checkbox"/>	CON00012	WHOLESALE	1/27/2017	1/26/2018	864,000.00	EA	0.0000	0.00	<input type="checkbox"/>
<input type="checkbox"/>	CON00012	WHOLESALE	1/27/2017	1/26/2018	14,000.00	EA	0.0000	0.00	<input type="checkbox"/>
<input type="checkbox"/>	CON00012	WHOLESALE	1/27/2017	1/26/2018	24,000.00	EA	0.0000	0.00	<input type="checkbox"/>
<input type="checkbox"/>	CON00012	WHOLESALE	1/27/2017	1/26/2018	10,000.00	EA	0.0000	0.00	<input type="checkbox"/>
<input type="checkbox"/>	CON00012	WHOLESALE	1/27/2017	1/26/2018	4,615,000.00	EA	0.0000	0.00	<input type="checkbox"/>
<input type="checkbox"/>	CON00012	WHOLESALE	1/27/2017	1/26/2018	815,000.00	EA	0.0000	0.00	<input type="checkbox"/>
<input type="checkbox"/>	CON00012	WHOLESALE	1/27/2017	1/26/2018	4,640,000.00	EA	0.0000	0.00	<input type="checkbox"/>
<input type="checkbox"/>	CON00012	WHOLESALE	1/27/2017	1/26/2018	960,000.00	EA	0.0000	0.00	<input type="checkbox"/>
<input type="checkbox"/>	CON00012	WHOLESALE	1/27/2017	1/26/2018	960,000.00	EA	0.0000	0.00	<input type="checkbox"/>
<input type="checkbox"/>	CON00012	WHOLESALE	1/27/2017	1/26/2018	1,050,000.00	EA	0.0000	0.00	<input type="checkbox"/>

Generate highly accurate forecasts with a few clicks