



MATERIAL REQUIREMENTS PLANNING (MRP)

BALANCE SUPPLY AND DEMAND WITH A POWERFUL PLANNING TOOL THAT ENABLES YOU TO SATISFY CUSTOMER REQUIREMENTS AND MAINTAIN OPTIMAL INVENTORY LEVELS

MRP is the software engine that takes demand from sales orders and forecasts—in conjunction with the supply of purchase orders, production orders, and master production schedules—to generate planned orders in a time-phased manner to offset the outstanding demands for end items and subassemblies.

MRP DISPLAY

- The core MRP screen shows your planners exactly which materials need to be purchased or produced.
- Planners can view all supply and demand from one centralized location.
- You can create production and purchase orders directly from this screen.

FULL REGENERATION

- Schedule regeneration to run anytime, day or night.
- The process eliminates all existing planned orders for all items.
- MRP starts over, calculating gross and net requirements, and then replans the materials that need to be produced or purchased.

Inventory ID	Description	Source	Warehouse	Base Qty	Action Date	Process Date	Preferred Vendor ID	Type	Reference No
AMSSC110	Sheet Metal 10 Gauge	Purchase	WHOLESALE	4.9900	11/22/2016	12/22/16	AAVENDOR	MRP Requirement	50003955
AMBLK040	Critical Board	Purchase	WHOLESALE	498.0000	11/24/2016	12/22/16	INDGLOBAL	MRP Requirement	50003955
AMBLK00E	Black Dye	Purchase	WHOLESALE	498.0000	11/28/2016	12/22/16	INDGLOBAL	MRP Requirement	50003955
AMRES10R	Resistor	Purchase	WHOLESALE	1.992.0000	12/20/2016	12/20/2016	ACTIASYST	MRP Requirement	50003955
AMBSA	Blow Unit	Manufacture	WHOLESALE	498.0000	12/22/2016	12/22/2016	ASARHARD	MRP Requirement	50003955
AMPURP	Pump	Purchase	WHOLESALE	500.0000	12/20/2016	12/22/2016	PUREWATER	MRP Requirement	50003955
AMWIRHARN	Wire Harness	Purchase	WHOLESALE	1.000.0000	12/7/2016	12/12/2016	ELEESTOOM	MRP Requirement	50003955
AMPCB	Printed Circuit Board	Manufacture	WHOLESALE	498.0000	12/20/2016	12/27/2016		MRP Requirement	50003955
AMPCBTRAY	Chip Tray	Purchase	WHOLESALE	498.0000	12/10/2016	12/12/2016	ASARHARD	MRP Requirement	50003955
AMSSCSREW	Stainless Steel Screw	Purchase	WHOLESALE	998.0000	12/20/2016	12/12/2016	ASARHARD	MRP Requirement	50003955
AMRESVINT	Reservoir Vint	Manufacture	WHOLESALE	500.0000	12/12/2016	12/27/2016		MRP Requirement	50003955
AMBSHREW	Flat Head Screw	Purchase	WHOLESALE	2.000.0000	12/10/2016	12/20/2016	ASARHARD	MRP Requirement	50003955
AMFILTR	Internal Purifying Filter	Purchase	WHOLESALE	500.0000	12/20/2016	12/27/2016	PUREWATER	MRP Requirement	50003955
AMWRESERV	Water Reservoir	Purchase	WHOLESALE	500.0000	12/20/2016	12/27/2016	PUREWATER	MRP Requirement	50003955
AMBSHRSNG	Housing	Purchase	WHOLESALE	500.0000	12/22/2016	12/27/2016	CONRHMED	MRP Requirement	50003955
AMBLK040D	Critical Board	Purchase	WHOLESALE	100.0000	12/20/2016	11/02/2017	ACTIASYST	Production Material	600000
AMKURSG45	Keung Model 450	Manufacture	WHOLESALE	500.0000	12/27/2016	3/31/2017		Sales Order	50003955
AMNSGLEHJ	Single Hung Doors	Manufacture	WHOLESALE	1.0000	1/19/2017	1/19/2017		Sales Order	50003955
AMNSGLEHJ	Single Hung Doors	Manufacture	WHOLESALE	1.0000	1/25/2017	1/25/2017		Sales Order	50003955
AMNSGLEHJ	Single Hung Doors	Manufacture	WHOLESALE	1.0000	2/3/2017	2/3/2017		Sales Order	50003955
AMRES10R	Resistor	Purchase	WHOLESALE	196.0000	2/3/2017	2/10/2017	ACTIASYST	MRP Requirement	
AMRES10R	Resistor	Purchase	WHOLESALE	100.0000	2/28/2017	2/13/2017	ACTIASYST	SafetyStock	
ALBLKABLE	D5 Black Azie	Manufacture	WHOLESALE	24.0000	2/10/2017	2/10/2017		Sales Order	50003955
AMPCB	Printed Circuit Board	Manufacture	WHOLESALE	49.0000	2/10/2017	2/13/2017		SafetyStock	
AMSSCSREW	Stainless Steel Screw	Purchase	WHOLESALE	200.0000	2/10/2017	2/13/2017	ASARHARD	SafetyStock	
CONSRVZ	Life Tare Ball in Bright Table &	Retail	WHOLESALE	7.0000	2/13/2017	2/13/2017	CONNETJEN	SafetyStock	
ALBLKBATCAPS	Black Batlle Caps	Purchase	WHOLESALE	328.0000	3/17/2017	3/28/2017	AAVENDOR	MRP Requirement	FCST0000002

Maintain optimal inventory levels while keeping your customers happy

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

HANDLE PROBLEMS WITH EASE

- Review 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

RUN YOUR BUSINESS ON YOUR MASTER PRODUCTION SCHEDULE

- Give your planners a centralized place to enter the MPS
- Plan all requirements based on your MPS
- Treat the MPS as a pre-planned production order and use it as a supply for other demand requirements



MATERIAL REQUIREMENTS PLANNING FEATURES AND CAPABILITIES

Forecasting

Calculates forecasts or allows you to enter them manually. These forecasts can be dependent and consumed by sales orders, or independent. You can input forecasts on a one-time basis, or as weekly, monthly, or yearly forecasts.

MRP Detail

Shows all the activity for an inventory item within a site and where that activity was generated.

Bucketless System

Plans requirements from every single demand rather than compiling requirements for a period of time. The system is flexible enough to allow user-defined time buckets.

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	Request Date	Process Date	Warehouse	Supply Qty	Supply Warehouse
AMCOE001	Deliver	Production Order	000001	0.0000	12/21/2016	12/21/2016	WHOLESALE	0.0000	
AMCOE001	Late Order	Production Order	000001	0.0000	12/21/2016	12/21/2016	WHOLESALE	0.0000	
AMPC8	Expedite	Production Order	000003	1.0000	12/27/2016	11/02/2017	WHOLESALE	0.0000	
AMPC8	Late Order	Production Order	000003	1.0000	12/27/2016	11/02/2017	WHOLESALE	0.0000	
AMPC8	Deliver	Production Order	000038	1.0000	2/13/2017	1/27/2017	WHOLESALE	0.0000	
AMPC8	Late Order	Production Order	000038	1.0000	2/13/2017	1/27/2017	WHOLESALE	0.0000	
INDCO021	Deliver	Purchase Order	000114	0.0000	19/2014	19/2014	WHOLESALE	0.0000	
INDCO021	Late Order	Purchase Order	000114	0.0000	19/2014	19/2014	WHOLESALE	0.0000	
INDCO021	Deliver	Purchase Order	000113	0.0000	19/2014	19/2014	WHOLESALE	0.0000	
INDCO021	Late Order	Purchase Order	000113	0.0000	19/2014	19/2014	WHOLESALE	0.0000	
WDCG030	Deliver	Purchase Order	E3000269	0.0000	10/22/2015	10/22/2016	WHOLESALE	0.0000	
WDCG030	Late Order	Purchase Order	E3000269	0.0000	10/22/2015	10/22/2016	WHOLESALE	0.0000	
AMCOE001	Deliver	Purchase Order	E3000458	0.0000	11/30/2016	12/5/2016	WHOLESALE	0.0000	
AMCOE001	Late Order	Purchase Order	E3000458	0.0000	11/30/2016	12/5/2016	WHOLESALE	0.0000	
AMCSE0462	Late Order	Purchase Order	E3000474	89.0000	2/13/2017	2/11/2017	WHOLESALE	0.0000	
AMCSE0462	Expedite	Purchase Order	E3000474	4.0000	12/7/2017	2/11/2017	WHOLESALE	0.0000	
AMCSE0462	Late Order	Purchase Order	E3000474	4.0000	12/7/2017	2/11/2017	WHOLESALE	0.0000	
CONBA012	Deliver	Transfer Supply	S0000412	0.0000	29/2016	29/2016	WHOLESALE	0.0000	
CONBA012	Late Order	Transfer Supply	S0000412	0.0000	29/2016	29/2016	WHOLESALE	0.0000	

Handle exceptions with ease

Selected	Inventory ID	Warehouse	Begin Date	End Date	Quantity	UOM	Change in Units	Percent Change	Dependent
<input checked="" type="checkbox"/>	AMCOE001	WHOLESALE	12/21/2017	1/26/2018	2,647,000.00	EA	0.0000	0.00	<input type="checkbox"/>
<input type="checkbox"/>	AMCSE009	WHOLESALE	12/21/2017	1/26/2018	6,200,000.00	EA	0.0000	0.00	<input type="checkbox"/>
<input type="checkbox"/>	AMMCH001	WHOLESALE	12/21/2017	1/26/2018	2,000.00	EA	0.0000	0.00	<input type="checkbox"/>
<input type="checkbox"/>	AMCMB002	RETAIL	12/21/2017	1/26/2018	3,010,000.00	EA	0.0000	0.00	<input type="checkbox"/>
<input type="checkbox"/>	CONBA011	WHOLESALE	12/21/2017	1/26/2018	50,000.00	EA	0.0000	0.00	<input type="checkbox"/>
<input type="checkbox"/>	CONBA012	WHOLESALE	12/21/2017	1/26/2018	913,000.00	EA	0.0000	0.00	<input type="checkbox"/>
<input type="checkbox"/>	CONBA013	WHOLESALE	12/21/2017	1/26/2018	724,000.00	EA	0.0000	0.00	<input type="checkbox"/>
<input type="checkbox"/>	CONBA014	WHOLESALE	12/21/2017	1/26/2018	204,000.00	EA	0.0000	0.00	<input type="checkbox"/>
<input type="checkbox"/>	CONBA015	WHOLESALE	12/21/2017	1/26/2018	14,000.00	EA	0.0000	0.00	<input type="checkbox"/>
<input type="checkbox"/>	CONBA016	WHOLESALE	12/21/2017	1/26/2018	14,000.00	EA	0.0000	0.00	<input type="checkbox"/>
<input type="checkbox"/>	CONBA017	WHOLESALE	12/21/2017	1/26/2018	24,000.00	EA	0.0000	0.00	<input type="checkbox"/>
<input type="checkbox"/>	CONBA018	WHOLESALE	12/21/2017	1/26/2018	10,000.00	EA	0.0000	0.00	<input type="checkbox"/>
<input type="checkbox"/>	CONBA019	WHOLESALE	12/21/2017	1/26/2018	615,000.00	EA	0.0000	0.00	<input type="checkbox"/>
<input type="checkbox"/>	CONBA020	WHOLESALE	12/21/2017	1/26/2018	615,000.00	EA	0.0000	0.00	<input type="checkbox"/>
<input type="checkbox"/>	CONBA021	WHOLESALE	12/21/2017	1/26/2018	4,840,000.00	EA	0.0000	0.00	<input type="checkbox"/>
<input type="checkbox"/>	CONBA022	WHOLESALE	12/21/2017	1/26/2018	960,000.00	EA	0.0000	0.00	<input type="checkbox"/>
<input type="checkbox"/>	CONBA023	WHOLESALE	12/21/2017	1/26/2018	960,000.00	EA	0.0000	0.00	<input type="checkbox"/>
<input type="checkbox"/>	CONBA024	WHOLESALE	12/21/2017	1/26/2018	1,000,000.00	EA	0.0000	0.00	<input type="checkbox"/>

Generate highly accurate forecasts with a few clicks

