

## 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

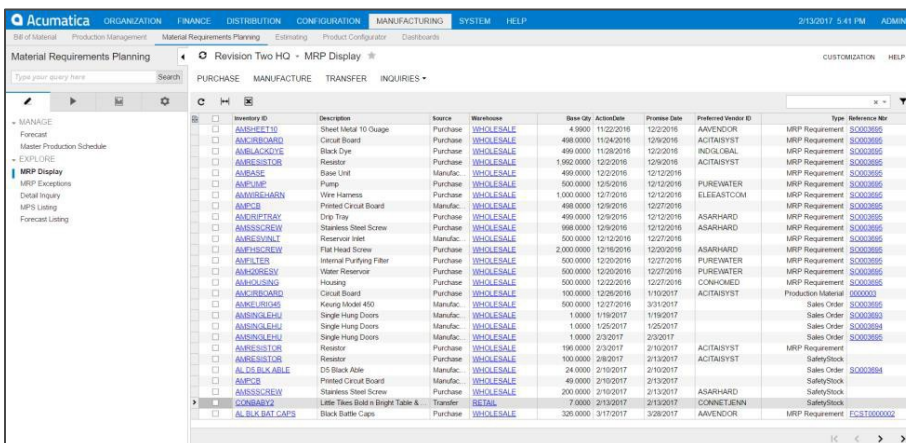
- Manage your entire business with complete, real-time information for your operations
- Coordinate labor, machines, and inventory and optimize your company's processes

#### 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	Promise Date	Preferred Vendor ID	Type	Reference Mbr
AMSCCT10	Sheet Metal 10 Gauge	Purchase	WHOLESALE	4.9000	11/22/2016	12/2/2016	AVENDORC	MRP Requirement	SC000395
AMSCB040	Circuit Board	Purchase	WHOLESALE	688.0000	11/24/2016	12/9/2016	ACTIABYST	MRP Requirement	SC000395
AMSLACK05	Black Dye	Purchase	WHOLESALE	469.0000	11/26/2016	12/2/2016	INDGLORAL	MRP Requirement	SC000395
AMSEB100	Resistor	Purchase	WHOLESALE	1.992.0000	12/2/2016	12/9/2016	ACTIABYST	MRP Requirement	SC000395
AMRSC	Dise Unit	WHOLESALE	WHOLESALE	449.0000	12/2/2016	12/12/2016		MRP Requirement	SC000395
AMRUBIC	Pump	Purchase	WHOLESALE	500.0000	12/5/2016	12/12/2016	PUREWATER	MRP Requirement	SC000395
AMRSEHBN	Wire Harness	Purchase	WHOLESALE	1.000.0000	12/7/2016	12/12/2016	ELEFASTCOM	MRP Requirement	SC000395
AMRSC	Printed Circuit Board	Manufact.	WHOLESALE	468.0000	12/9/2016	12/27/2016		MRP Requirement	SC000395
AMRSETRAY	Drip Tray	Purchase	WHOLESALE	469.0000	12/9/2016	12/12/2016	ASARHARD	MRP Requirement	SC000395
AMSSSREW	Stainless Steel Screws	Purchase	WHOLESALE	988.0000	12/9/2016	12/12/2016	ASARHARD	MRP Requirement	SC000395
AMRSCINLET	Reservoir Inlet	Manufact.	WHOLESALE	500.0000	12/12/2016	12/27/2016		MRP Requirement	SC000395
AMRSCREW	Flat Head Screws	Purchase	WHOLESALE	2.000.0000	12/16/2016	12/20/2016	ASARHARD	MRP Requirement	SC000395
AMFELT	Internal Purifying Filter	Purchase	WHOLESALE	500.0000	12/20/2016	12/27/2016	PUREWATER	MRP Requirement	SC000395
AMRSCRESV	Water Reservoir	Purchase	WHOLESALE	500.0000	12/20/2016	12/27/2016	PUREWATER	MRP Requirement	SC000395
AMRSCINLET	Reservoir Inlet	Purchase	WHOLESALE	500.0000	12/20/2016	12/27/2016	CONHAMED	MRP Requirement	SC000395
AMRSCBOARD	Circuit Board	Purchase	WHOLESALE	100.0000	12/26/2016	1/10/2017	ACTIABYST	Production Material	000003
AMRSCINLET	Water Reservoir	Manufact.	WHOLESALE	500.0000	12/27/2016	3/31/2017		Sales Order	SC000395
AMRSCINLET	Water Reservoir	Manufact.	WHOLESALE	1.0000	1/16/2017	1/16/2017		Sales Order	SC000395
AMRSCINLET	Single Hung Doors	Manufact.	WHOLESALE	1.0000	1/25/2017	1/25/2017		Sales Order	SC000395
AMRSCINLET	Single Hung Doors	Manufact.	WHOLESALE	1.0000	2/9/2017	2/9/2017		Sales Order	SC000395
AMRSCINLET	Resistor	Purchase	WHOLESALE	100.0000	2/9/2017	2/10/2017	ACTIABYST	MRP Requirement	SC000395
AMRSCINLET	Resistor	Purchase	WHOLESALE	100.0000	2/9/2017	2/10/2017	ACTIABYST	SafetyStock	SC000395
AMRSCINLET	Resistor	Purchase	WHOLESALE	24.0000	2/10/2017	2/10/2017		Sales Order	SC000395
AMRSCINLET	Printed Circuit Board	Manufact.	WHOLESALE	49.0000	2/10/2017	2/10/2017		SafetyStock	SC000395
AMRSCINLET	Stainless Steel Screws	Purchase	WHOLESALE	200.0000	2/10/2017	2/10/2017	ASARHARD	SafetyStock	SC000395
AMRSCINLET	Stainless Steel Screws	Purchase	WHOLESALE	200.0000	2/10/2017	2/10/2017	ASARHARD	SafetyStock	SC000395
AMRSCINLET	Little Tiles Bolt In Bright Table A	Transfer	RETAIL	7.0000	2/13/2017	2/13/2017	CONNETJENN	SafetyStock	FC31000002
AMRSCINLET	Black Bottle Caps	Purchase	WHOLESALE	320.0000	3/17/2017	3/28/2017	AVENDORC	MRP Requirement	FC31000002

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 they can be independent. Input forecasts as one-time, weekly, monthly, or yearly.

### MRP Detail

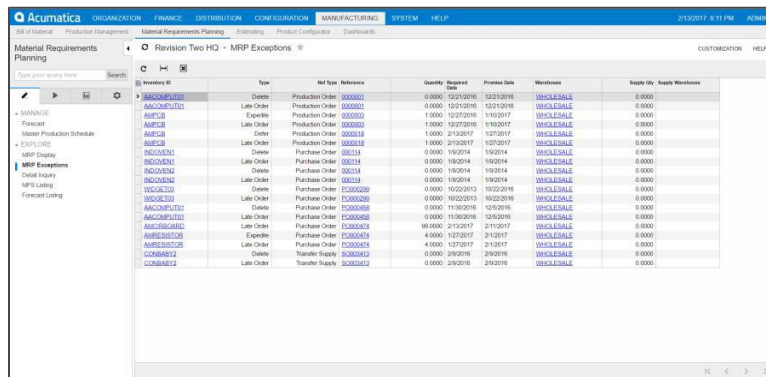
Review and execute the complete material plan through MRP screens that show all activity, orders, requirements, balances, and recommendations for an inventory item.

### Bucketless System

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

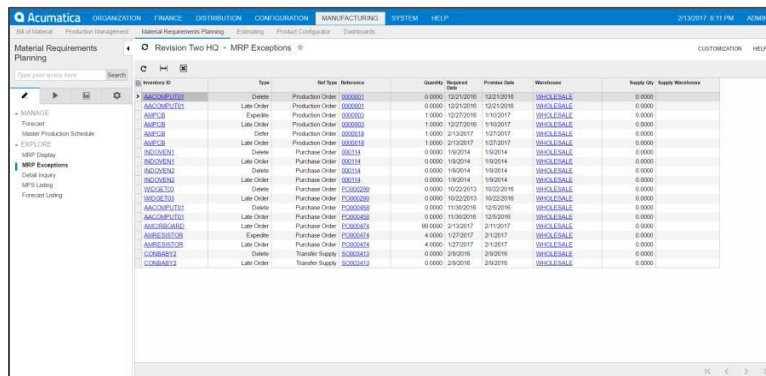
### Multi-Site Planning

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



Inventory ID	Type	Ref Type	Reference	Quantity Required	Process Date	Warehouse	Supply Qty	Supply Warehouse
ACCOMPL101	Debit	Production Order	0000001	0.0000	12/21/2016	12/21/2016	WHSLESABLE	0.0000
ACCOMPL101	Late Order	Production Order	0000001	0.0000	12/21/2016	12/21/2016	WHSLESABLE	0.0000
AMECSB	Expense	Production Order	0000003	1.0000	12/27/2016	1/10/2017	WHSLESABLE	0.0000
AMECSB	Late Order	Production Order	0000003	1.0000	12/27/2016	1/10/2017	WHSLESABLE	0.0000
AMECSB	Order	Production Order	0000018	1.0000	2/12/2017	1/27/2017	WHSLESABLE	0.0000
AMECSB	Late Order	Production Order	0000018	1.0000	2/12/2017	1/27/2017	WHSLESABLE	0.0000
INCOEN11	Debit	Purchase Order	0001314	0.0000	19/2014	19/2014	WHSLESABLE	0.0000
INCOEN11	Late Order	Purchase Order	0001314	0.0000	19/2014	19/2014	WHSLESABLE	0.0000
INCOEN12	Debit	Purchase Order	0001314	0.0000	19/2014	19/2014	WHSLESABLE	0.0000
INCOEN12	Late Order	Purchase Order	0001314	0.0000	19/2014	19/2014	WHSLESABLE	0.0000
WHSLES10	Debit	Purchase Order	0000009	0.0000	10/22/2013	10/22/2016	WHSLESABLE	0.0000
WHSLES10	Late Order	Purchase Order	0000009	0.0000	10/22/2013	10/22/2016	WHSLESABLE	0.0000
ACCOMPL101	Debit	Purchase Order	0000008	0.0000	11/30/2016	12/5/2016	WHSLESABLE	0.0000
ACCOMPL101	Late Order	Purchase Order	0000008	0.0000	11/30/2016	12/5/2016	WHSLESABLE	0.0000
AMRESIST35	Expense	Purchase Order	0000014	80.0000	2/12/2017	2/12/2017	WHSLESABLE	0.0000
AMRESIST35	Late Order	Purchase Order	0000014	80.0000	2/12/2017	2/12/2017	WHSLESABLE	0.0000
AMRESIST35	Expense	Purchase Order	0000014	4.0000	12/7/2017	2/12/2017	WHSLESABLE	0.0000
AMRESIST35	Late Order	Purchase Order	0000014	4.0000	12/7/2017	2/12/2017	WHSLESABLE	0.0000
COBMAN12	Debit	Transfer Supply	0000043	0.0000	29/2016	29/2016	WHSLESABLE	0.0000
COBMAN12	Late Order	Transfer Supply	0000043	0.0000	29/2016	29/2016	WHSLESABLE	0.0000

Handle exceptions with ease



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ACCOMPL101	Debit	Production Order	0000001	0.0000	12/21/2016	12/21/2016	WHSLESABLE	0.0000
ACCOMPL101	Late Order	Production Order	0000001	0.0000	12/21/2016	12/21/2016	WHSLESABLE	0.0000
AMECSB	Expense	Production Order	0000003	1.0000	12/27/2016	1/10/2017	WHSLESABLE	0.0000
AMECSB	Late Order	Production Order	0000003	1.0000	12/27/2016	1/10/2017	WHSLESABLE	0.0000
AMECSB	Order	Production Order	0000018	1.0000	2/12/2017	1/27/2017	WHSLESABLE	0.0000
AMECSB	Late Order	Production Order	0000018	1.0000	2/12/2017	1/27/2017	WHSLESABLE	0.0000
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INCOEN11	Late Order	Purchase Order	0001314	0.0000	19/2014	19/2014	WHSLESABLE	0.0000
INCOEN12	Debit	Purchase Order	0001314	0.0000	19/2014	19/2014	WHSLESABLE	0.0000
INCOEN12	Late Order	Purchase Order	0001314	0.0000	19/2014	19/2014	WHSLESABLE	0.0000
WHSLES10	Debit	Purchase Order	0000009	0.0000	10/22/2013	10/22/2016	WHSLESABLE	0.0000
WHSLES10	Late Order	Purchase Order	0000009	0.0000	10/22/2013	10/22/2016	WHSLESABLE	0.0000
ACCOMPL101	Debit	Purchase Order	0000008	0.0000	11/30/2016	12/5/2016	WHSLESABLE	0.0000
ACCOMPL101	Late Order	Purchase Order	0000008	0.0000	11/30/2016	12/5/2016	WHSLESABLE	0.0000
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COBMAN12	Late Order	Transfer Supply	0000043	0.0000	29/2016	29/2016	WHSLESABLE	0.0000

Generate highly accurate forecasts with a few clicks

## ABOUT ACUMATICA

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