

## Satisfy Customer Requirements While Maintaining Optimal Inventory Levels Using the Powerful MRP Planning Tool

Generate time-phased manufacturing and purchasing plans for optimal inventory availability tied to forecast and customer demands. Reduce inventory, improve customer service, and avoid shortages and stock-out scenarios that result in costly changeovers and rush orders.

### 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

Item Class	Inventory ID	Description	Source	Warehouse	Base Qty	Promise Date	Action Date	Type	Preferred Vendor ID	Vendor Name	Related Document
MFQPUR --	AMRESISTOR	Resistor	Purchase	WHOLESALE	60.00	11/7/2019	10/23/2019	MRP Requirement	ELEASTCOM	East COM Elec.	PL AM00015
MFQPUR --	AMRESISTOR	Resistor	Purchase	WHOLESALE	40.00	11/9/2019	10/24/2019	Production Material	ELEASTCOM	East COM Elec.	BO AM00014_0019
MFQPUR --	AMRESISTOR	Resistor	Purchase	WHOLESALE	40.00	11/11/2019	10/25/2019	MRP Requirement	ELEASTCOM	East COM Elec.	PL AM00021
MFQPUR --	AMRESISTOR	Sheet Metal 10 Gauge	Purchase	WHOLESALE	41.26	11/12/2019	11/12/2019	Production Material	ADVENDOR	Otto Vendor Inc	BO AM00017_0019
MFSUBASY--	AMRESVOLT	Resistor inlet	Manufacturing	WHOLESALE	15.00	11/7/2019	11/7/2019	Production Material	ASARHARD	Asar Hardware	BO AM00009_0019
MFSUBASY--	AMPCB	Printed Circuit Board	Manufacturing	WHOLESALE	15.00	11/7/2019	11/7/2019	Production Material	ASARHARD	Asar Hardware	BO AM00009_0019
MFSUBASY--	AMSSCREW	Stainless Steel Screw	Purchase	WHOLESALE	100.00	11/12/2019	11/8/2019	Production Material	ASARHARD	Asar Hardware	BO AM00017_0019
MFSUBASY--	AMRESVOLT	Base Unit	Manufacturing	WHOLESALE	4.00	11/8/2019	11/8/2019	Production Material	ASARHARD	Asar Hardware	BO AM00012_0019
MFSUBASY--	AMRESVOLT	Resistor inlet	Manufacturing	WHOLESALE	10.00	11/11/2019	11/11/2019	Production Material	ASARHARD	Asar Hardware	BO AM00011_0019
MFSUBASY--	AMPCB	Printed Circuit Board	Manufacturing	WHOLESALE	10.00	11/11/2019	11/11/2019	Production Material	ASARHARD	Asar Hardware	BO AM00011_0019
MFSUBASY--	AMBASE	Base Unit	Manufacturing	WHOLESALE	10.00	11/11/2019	11/11/2019	MRP Requirement	ASARHARD	Asar Hardware	PL AM00023
MFQPUR --	AMRESISTOR	Resistor	Purchase	WHOLESALE	80.00	12/10/20	1/6/2020	MRP Requirement	ELEASTCOM	East COM Elec.	PL AM00022
ELECCOMP-400-	AACOMPUT1	Acer Laptop Computer	Purchase	BETAL	10.00	1/6/2020	1/6/2020	Safety Stock	ELEASTCOM	East COM Elec.	PL AM00022
MFQPUR --	AMRESISTOR	Sheet Metal 10 Gauge	Purchase	WHOLESALE	0.40	12/10/2020	1/10/2020	MRP Requirement	ADVENDOR	Otto Vendor Inc	PL AM00028
MFQPUR --	AMRIPTRAY	Strip Tray	Purchase	WHOLESALE	5.00	12/10/2020	1/17/2020	MRP Requirement	ASARHARD	Asar Hardware	PL AM00029
MFSUBASY--	AMRESVOLT	Resistor inlet	Manufacturing	WHOLESALE	20.00	1/21/2020	1/21/2020	Production Material	ASARHARD	Asar Hardware	BO AM00007_0019
MFSUBASY--	AMPCB	Printed Circuit Board	Manufacturing	WHOLESALE	20.00	1/21/2020	1/21/2020	Production Material	ASARHARD	Asar Hardware	BO AM00007_0019
MFSUBASY--	AMBASE	Base Unit	Manufacturing	WHOLESALE	20.00	1/21/2020	1/21/2020	MRP Requirement	ASARHARD	Asar Hardware	PL AM00022
CONSUMER-300-	ASLEGG000	Lego 500 piece set	Purchase	BETAL	80.00	1/26/2020	1/24/2020	Safety Stock	CONDEVSUP	Devsoft Toy S.	PL AM00022
CONSUMER-300-	CONHRT1	Harvi 4 Foot Air Hockey Table	Purchase	WHOLESALE	65.00	1/26/2020	1/24/2020	Safety Stock	CONVEPEDI	Paraphery Dist.	PL AM00022
WIDGETS --	WIDGET01	Widget 03 - Standard cost item	None	WHOLESEL	100.00	1/26/2020	1/24/2020	Safety Stock	WIDUSPELV	Widget Supply	PL AM00022

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.

The screenshot shows the Acumatica interface with a search bar and navigation menu on the left. The main content area displays 'MRP Exceptions' with a table of inventory items. The table has columns for Inventory ID, Description, Type, Ref Type, Related Document, Quantity, Required Date, and Promise Date. The items listed include Coca-Cola Cans, Little Tikes, Sterilized Scalpels, and Keurig Model 450.

Inventory ID	Description	Type	Ref Type	Related Document	Quantity	Required Date	Promise Date
FOODCOLA12	Coca-Cola Cans 12 Count	Delete	Transfer Supply		100.00	1/1/1900	1/1/1900
FOODCOLA12	Coca-Cola Cans 12 Count	Late Order	Transfer Supply		100.00	1/1/1900	1/1/1900
CONBABY2	Little Tikes Bold n Bright Tabl...	Delete	Transfer Supply		2.00	1/1/1900	1/1/1900
CONBABY2	Little Tikes Bold n Bright Tabl...	Late Order	Transfer Supply		2.00	1/1/1900	1/1/1900
AMTOOLOSP	Sterilized Scalpel	Delete	Production Order	RO_AM000001	1.00	11/7/2019	11/7/2019
AMTOOLOSP	Sterilized Scalpel	Late Order	Production Order	RO_AM000001	1.00	11/7/2019	11/7/2019
AMTOOLOSP	Sterilized Scalpel	Delete	Production Order	RO_AM000003	1.00	11/7/2019	11/7/2019
AMTOOLOSP	Sterilized Scalpel	Late Order	Production Order	RO_AM000003	1.00	11/7/2019	11/7/2019
AMTOOLOSP	Sterilized Scalpel	Delete	Production Order	RO_AM000006	1.00	11/8/2019	11/8/2019
AMTOOLOSP	Sterilized Scalpel	Late Order	Production Order	RO_AM000006	1.00	11/8/2019	11/8/2019
AMKEURIG45	Keurig Model 450	Late Order	Production Order	RO_AM000007	20.00	1/21/2020	1/21/2020
AMKEURIG45	Keurig Model 450	Late Order	Production Order	RO_AM000008	10.00	10/15/2019	10/15/2019
AMKEURIG45	Keurig Model 450	Late Order	Production Order	RO_AM000009	15.00	11/7/2019	11/7/2019
AMKEURIG45	Keurig Model 450	Defer	Production Order	RO_AM000011	10.00	1/21/2020	11/11/2019
AMKEURIG45	Keurig Model 450	Late Order	Production Order	RO_AM000011	10.00	1/21/2020	11/11/2019
AMRESVINLT	Reservoir Inlet	Expedite	Production Order	RO_AM000012	10.00	10/15/2019	11/9/2019

Exception messages help planners react to late orders, understand which orders to delete when demand changes, and provides a list of orders to expedite to meet current production plans.

### ABOUT ACUMATICA

Acumatica Cloud ERP provides the best business management solution for digitally resilient companies. Built for mobile and telework scenarios and easily integrated with the collaboration tools of your choice, Acumatica delivers flexibility, efficiency, and continuity of operations to growing small and midmarket organizations.

**Business Resilience. Delivered.**

Contact Crestwood Associates today to get started: 847-394-8820 | sales@crestwood.com | crestwood.com