

## 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

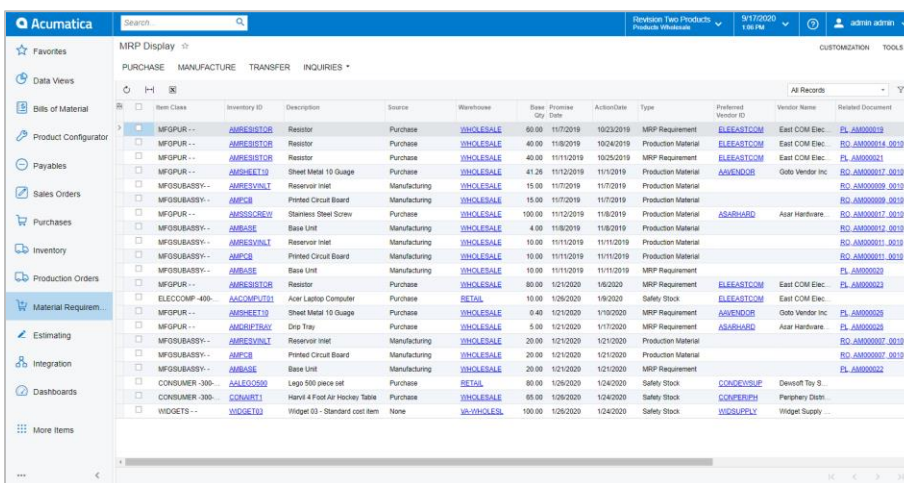
- Adapt the software to meet your changing needs
- Leverage powerful features and functions for multiple production environments

#### 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



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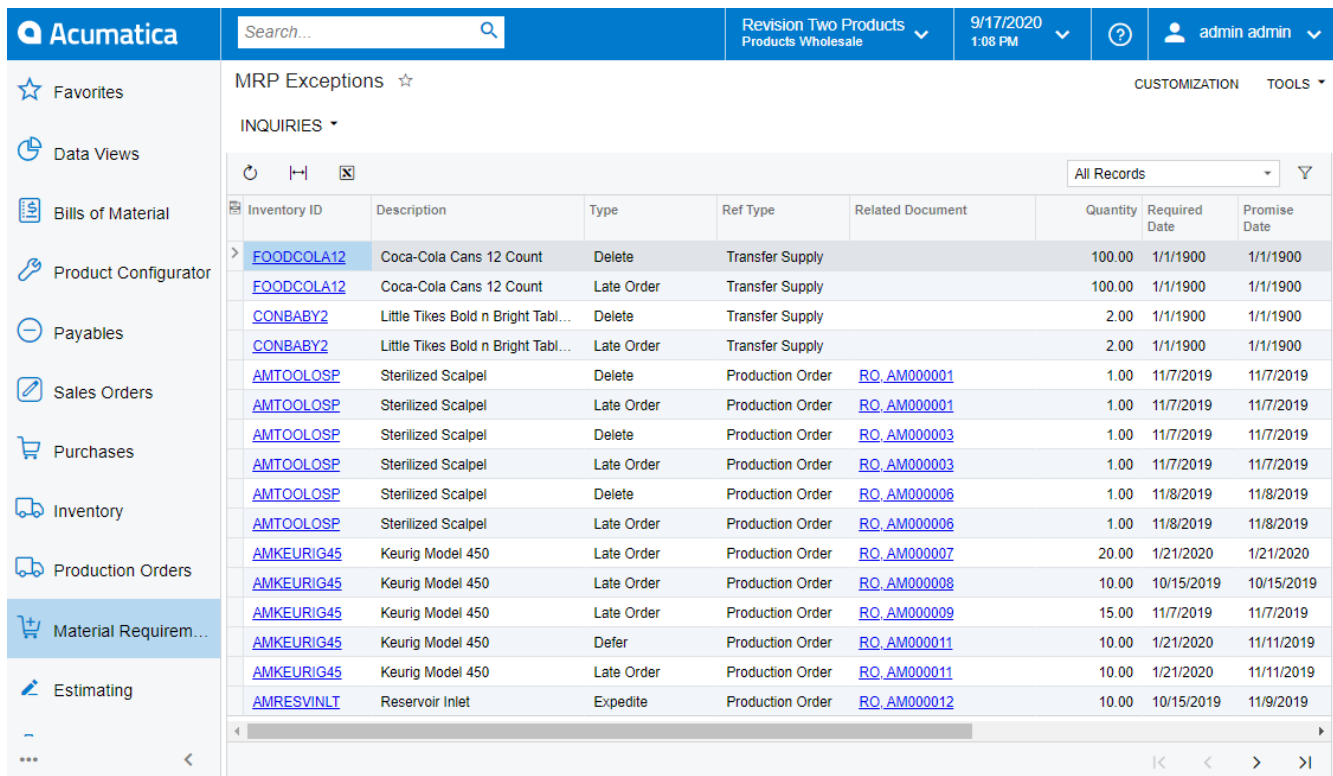


| Item Class    | Inventory ID | Description                    | Source        | Warehouse | Base Qty | Promise Date | Action Date | Type                | Preferred Vendor ID | Vendor Name      | Related Document |
|---------------|--------------|--------------------------------|---------------|-----------|----------|--------------|-------------|---------------------|---------------------|------------------|------------------|
| MFQPUR --     | AMRESISTOR   | Resistor                       | Purchase      | WHOLESALE | 60.00    | 11/7/2019    | 10/23/2019  | MRP Requirement     | ELEASTCOM           | East COM Elec.   | PL AM00019       |
| 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            | Auto Vendor Inc. | BO AM00017_0019  |
| MFSUBASY--    | AMRESVOLT    | Resistor Unit                  | Manufacturing | WHOLESALE | 15.00    | 11/7/2019    | 11/7/2019   | Production Material | BO AM00099_0019     |                  | BO AM00099_0019  |
| MFSUBASY--    | AMPCB        | Printed Circuit Board          | Manufacturing | WHOLESALE | 15.00    | 11/7/2019    | 11/7/2019   | Production Material | BO AM00099_0019     |                  | BO AM00099_0019  |
| MFQPUR --     | AMSSCREW     | Stainless Steel Screw          | Purchase      | WHOLESALE | 100.00   | 11/12/2019   | 11/8/2019   | Production Material | ASARHARD            | Azar Hardware.   | BO AM00017_0019  |
| MFSUBASY--    | AMBASE       | Base Unit                      | Manufacturing | WHOLESALE | 4.00     | 11/8/2019    | 11/8/2019   | Production Material | BO AM00012_0019     |                  | BO AM00012_0019  |
| MFSUBASY--    | AMRESVOLT    | Resistor Unit                  | Manufacturing | WHOLESALE | 10.00    | 11/11/2019   | 11/11/2019  | Production Material | BO AM00012_0019     |                  | BO AM00012_0019  |
| MFSUBASY--    | AMPCB        | Printed Circuit Board          | Manufacturing | WHOLESALE | 10.00    | 11/11/2019   | 11/11/2019  | Production Material | BO AM00012_0019     |                  | BO AM00012_0019  |
| MFSUBASY--    | AMBASE       | Base Unit                      | Manufacturing | WHOLESALE | 10.00    | 11/11/2019   | 11/11/2019  | MRP Requirement     | PL AM00023          |                  |                  |
| MFQPUR --     | AMRESISTOR   | Resistor                       | Purchase      | WHOLESALE | 80.00    | 12/6/2020    | 1/6/2020    | MRP Requirement     | ELEASTCOM           | East COM Elec.   | PL AM00023       |
| ELECCOMP-400- | AACOMPUT1    | Acer Laptop Computer           | Purchase      | BETAL     | 10.00    | 1/6/2020     | 1/6/2020    | Safety Stock        | ELEASTCOM           | East COM Elec.   |                  |
| MFQPUR --     | AMRESISTOR   | Sheet Metal 10 Gauge           | Purchase      | WHOLESALE | 0.40     | 12/12/2020   | 1/12/2020   | MRP Requirement     | ADVENDOR            | Auto Vendor Inc. | PL AM00028       |
| MFQPUR --     | AMRIPTRAY    | Strip Tray                     | Purchase      | WHOLESALE | 5.00     | 12/12/2020   | 1/12/2020   | MRP Requirement     | ASARHARD            | Azar Hardware.   | PL AM00028       |
| MFSUBASY--    | AMRESVOLT    | Resistor Unit                  | Manufacturing | WHOLESALE | 20.00    | 12/12/2020   | 12/12/2020  | Production Material | BO AM00027_0019     |                  | BO AM00027_0019  |
| MFSUBASY--    | AMPCB        | Printed Circuit Board          | Manufacturing | WHOLESALE | 20.00    | 12/12/2020   | 12/12/2020  | Production Material | BO AM00027_0019     |                  | BO AM00027_0019  |
| MFSUBASY--    | AMBASE       | Base Unit                      | Manufacturing | WHOLESALE | 20.00    | 12/12/2020   | 12/12/2020  | MRP Requirement     | PL AM00022          |                  |                  |
| CONSUMER-300- | ASLEGGING    | Lego 500 piece set             | Purchase      | BETAL     | 80.00    | 1/6/2020     | 1/4/2020    | Safety Stock        | CONDEVSUP           | Devsoft Toy S.   |                  |
| CONSUMER-300- | CONHRT1      | Harvi 4 Foot Air Hockey Table  | Purchase      | WHOLESALE | 60.00    | 1/6/2020     | 1/4/2020    | Safety Stock        | CONVERPDI           | Parberry Dist.   |                  |
| WIDGETS --    | WIDGET3      | Widget 03 - Standard cost item | None          | WHOLESEL  | 100.00   | 1/6/2020     | 1/4/2020    | Safety Stock        | WIDGUPPLY           | Widget Supply    |                  |

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 | 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.**

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