



MISys® SBM - Material Requirements Planning

The Material Requirements Planning (MRP) is the key to reducing inventory costs in a manufacturing environment.

The MRP module for MISys Small Business enhances the basic functionality of the software, allowing you to predict shortages of raw materials and sub-assemblies in time to take corrective measures.

 **Dashboard**

 **Planning**

 **Purchasing**

 **Production**

 **Stock Control**

 **Master Files**

 **Reports**

 **Accounting**

 **Administration**

The objective of the Material Requirements Planning module for MISys SBM is to help you anticipate material shortages before they occur, providing time to respond before customer delivery promises are compromised.

Traditional MRP products are complex and cumbersome. You've probably heard the horror stories. Not so with MISys SBM Material Requirements Planning.

The MRP module for MISys SBM requires virtually no setup. Just tell the program which activities you want included in your master production schedule (current stock, purchase orders, manufacturing orders, and sales orders) and it creates a projection of your stock levels anywhere from a week to several years in advance.

The result is an easy-to-read window that highlights your shortages in red, excess stock in green. Drill down into any item to analyze stock activity on a period-by-period basis.

This same window allows you to perform complex production simulations so you can see exactly what shortages would appear if you were to execute a specific production plan. Don't like the result? Just delete the plan and try something else. It couldn't be easier!

In MISys SBM, the Material Requirements Plan serves as a bridge between what is called a Master Production Schedule and real purchase orders and production orders.

An array of reports shows you which items need to be purchased, in what quantity, and when the orders must be placed so that the required material will arrive just in time. Production advice reports show similar information about items you manufacture internally.

When you are satisfied with any Master Production Schedule you have created, simply click the Create MRP button to instantly scan the schedule for any remaining shortages. Create the indicated purchase orders and manufacturing orders manually, or tell the program to create them automatically, saving you considerable time and effort.

Produce Master Production Schedules

- Create a Master Production Schedule (MPS) for any horizon.
- Save and re-open multiple production schedules.
- Maintain a pool of active production schedules.
- Share production schedules among MISys sbm users in workgroup fashion.
- Include or ignore current inventory, purchase orders, manufacturing orders, and sales orders in MPS.
- Create and maintain batches of scheduling events.
- Apply batches to MPS to simulate planned purchasing production activity.



- Retrieve and schedule sales orders from accounting system.
- Instantly spotlight shortages of raw materials and sub-assemblies. View master production schedule for all items, or items with specific stocking criteria.
- Drill down master production schedule to view items on a period-by-period basis.
- Drill down item schedule to view current and planned activity.
- Base material requirements on zero, minimum, or reorder point.
- Automatically create purchase orders based on quantities and dates indicated by MRP.
- Automatically create production manufacturing orders based on quantities and dates indicated by MRP.
- Maintain a work calendar showing days when no production activities can occur.
- Create a Master Production Schedule (MPS) showing the net of current stock, open purchase orders, work orders, manufacturing orders, and sales orders†.
- Define MPS for any range of dates and locations.
- Manually schedule order releases to resolve shortages.
- Automatically schedule JIT order releases to resolve shortages.
- Maintain and apply sales forecasts to future production schedules.
- Perform simulations to analyze the effect of future production scenarios.
- Manually or automatically create purchase orders based on the MRP.
- Manually or automatically create manufacturing orders based on the MRP.
- Save and re-open multiple production schedules.
- Maintain a pool of active production schedules.
- Share production schedules among workgroup users.
- Include or ignore current inventory, purchase order, and manufacturing orders in MPS.
- Create and maintain batches of scheduling events.
- Fix production start dates and schedule forward to completion or fix production completion dates and schedule back to start.
- Create an Available To Promise projection.
- Apply a sales forecast to MPS to simulate planned purchasing and production activity.
- Retrieve and schedule Sales Orders as well as Sales Quotes/Estimates from accounting system
- Instantly spotlight shortages of raw materials and sub-assemblies.
- View master production schedule for all items, or items meeting specific stocking criteria.
- Drill down master production schedule to view item schedule on period-by-period basis.
- Drill down item schedule to view current and planned activity.
- Print MRP reports showing activity for all periods, active periods only, or net activity per item.
- Print a detailed Production Advice Report to show items which must be built in order to satisfy MPS.
- Print a detailed Production Advice Report that suggests expediting existing manufacturing orders where appropriate.
- Print a detailed Purchasing Advice Report that identifies available suppliers and suggests expediting existing purchase orders where appropriate.

MISys is a registered trademark of Manufacturing Information Systems, Inc. Copyright © 2008. All Rights Reserved.

For Further Information Contact:

Manufacturing Information Systems, Inc.
P.O. Box 795, 4 Maxham Meadow Way, Suite 2G
Woodstock, Vermont 05091 USA
Tel. 802.457.4600 - Fax: 802.457.4602
Email: sales@misysinc.com - Web: www.misysinc.com

