



MATERIAL REQUIREMENTS PLANNING

MAS 90®

for:

Windows®

Client/Server for Windows NT®

Client/Server for UNIX® Systems

REPORTS

- Action By Vendor Report
- Auto Generate Work Orders Register
- MRP By Job Report
- MRP Report
- Projected Demands Report
- Warehouse Group Listing



One of the most critical and time-consuming aspects of manufacturing is managing the task of maintaining sufficient amounts of materials on hand at all times. How many times has production been delayed because a necessary material was not in stock or you could not get it in time?

The MAS 90 Material Requirements Planning (MRP) module can help you eliminate purchasing and scheduling problems. It is designed to simplify and speed up the work processes of purchasing and production managers, enabling them to plan more effectively.

The MRP module looks at “demand” based on open sales orders and sales projections, and “supply” based on inventory stock levels and open purchase orders. Product build times, lead times and “supply” and “demand” functions are combined to estimate the need for an inventory item. With the MRP module, you can produce reports based on action by date to advise the purchasing manager which orders need to be placed, which need to be revised and which need to be canceled. The MRP module allows for entry of monthly and weekly sales projections by warehouse for each manufactured item, and monthly and weekly sales projections by customer. These estimates, combined with sales order information, can suggest when to purchase raw materials, etc.

Eliminate costly production delays and simplify your scheduling. Complete your MAS 90 Manufacturing Solution, and take control of your material purchasing and production planning, with the MAS 90 MRP module.

See reverse side for list of features

FEATURES

Warehouse Groups	Warehouse Groups allow you to define one or more groups that are used by the MRP Generation process to consolidate recommendations for material acquisitions. For reporting purposes, information is also segregated by Warehouse Group.
Sales Projections	The MRP module allows for entry of monthly and weekly sales projections by warehouse for each manufactured item, and monthly and weekly sales projections by customer. These projections can be used, along with existing sales orders, to obtain information from the MRP report to be used for purchasing raw material. The Projected Demands Report shows actual sales versus projected sales for analysis purposes.
MRP Generation	The MRP Generation process looks at “demand” based on open sales orders, sales projections and work order component requirements, and “supply” based on inventory stock levels, open purchase orders and existing work orders. Product build times, lead times and “supply” and “demand” functions are combined to estimate the need for an inventory item.
Automatic Generation of Work Orders	If you have the MAS 90 Work Order Processing module installed, the Auto Generate Work Orders program uses information from MRP Generation to create or modify work orders for items that have a procurement type of “make.”
Action By Vendor Report	This report groups, by vendor, all actions that have been recommended by the MRP Generation process. This enables you to have all of the information you need on a one-phone-call-per-vendor listing.
MRP By Job Report	The MRP By Job Report details upcoming requirements for components on a bill of materials by job (i.e., Sales Order or Work Order). For each component, you can view the quantities needed, the projected on-hand quantities and required dates.
Inventory Management Integration	Integration with the Inventory Management module is required to provide MRP with access to the items needed to distribute or produce finished goods. The on-hand quantities in inventory are recognized as a part of the “supply” of an item during the MRP Generation. The inventory supplies all reorder information, vendor lead times and product build times to the MRP Generation.
Purchase Order Processing Integration	When Purchase Order Processing is integrated with MRP, the material on a purchase order is recognized as a part of the “supply” of an item during the MRP Generation. Items on purchase order form the basis for the Action By Vendor Report.
Sales Order Processing Integration	When Sales Order Processing is integrated with MRP, the material on a sales order is recognized as part of the “demand” for an item during the MRP Generation.
Bill of Materials Integration	When Bill of Materials is integrated with MRP, it supplies the detailed database of components, assemblies and subassemblies for calculating finished goods versus raw materials. The MRP Generation will disassemble all finished goods to lowest levels to calculate the various time-phased operations needed, and give the necessary material requirement information.
Work Order Processing Integration	Integration with Work Order Processing is optional, but is required to automatically update work orders through the MRP process. The Auto Generate Work Orders program will place or change firm-planned work orders for items. The essence of the work order and MRP interaction is the work order timing and material issued/produced by the work order.