



insights for the life of your business™

# MAS 90 MAS 200

Client/Server

## REPORTS

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



## MATERIAL REQUIREMENTS PLANNING

MRP Inquiry

Item Number: BOARD-04230-16      Description: 8048SD-2 MOTHERBOARD 50MHZ

U/M: EACH      On Hand: 154.00      Warehouse Group: ALL

Vendor: MAKE      On Hand + PO: 154.00      Reorder Point: 0.00

Lead Time: 0001      Last Cost: 549.900      Reorder Qty: 0.00

Type	PO/SO/ WO No.	Where Used	Req Date	Demand	Supply	Proj. On Hand
Pw	0095015	DSKTP-00000	05/17/03	20.00		149.00
SO	0000000		05/31/03	1.00		149.00
Pw	0095016	DSKTP-00000	05/01/03	2.00		148.00
Pw	0095017	DSKTP-00000	06/05/03	5.00		143.00
FP	0095019		05/13/03		5.00	148.00
Pw	0095018	CABIN-01000-IH	05/13/03	2.00		146.00

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 and MAS 200 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 or MAS 200 manufacturing solution, and take control of your material purchasing and production planning, with the MRP module.



## MAS 90 and MAS 200 Material Requirements Planning

*"We no longer have redundant items gathering dust in the warehouse. Instead, we've got genuine just-in-time manufacturing and excellent activity-based costing practices."*

*Sue Erickson, Controller  
Ermak, Inc.*

### FEATURES:

#### Warehouse Groups

Warehouse Groups allows 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 Groups.

#### 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 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 Work Order 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 MRP Generation. The inventory supplies all reorder information, vendor lead times and product build times to MRP Generation.

#### Purchase Order Integration

When Purchase Order is integrated with MRP, the material on a purchase order is recognized as a part of the supply of an item during MRP Generation. Items on purchase order form the basis for the Action by Vendor Report.

#### Sales Order Integration

When Sales Order is integrated with MRP, the material on a sales order is recognized as part of the demand for an item during MRP Generation.

#### Bill of Materials Integration

When the Bill of Materials module is integrated with MRP, it supplies the detailed database of components, assemblies and subassemblies for calculating finished goods versus raw materials. 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 Integration

Integration with Work Order 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.