

Material Requirements Planning

Horizons Manufacturing Suite MRP module extends the inventory planning and control tools, reports and inquiries that are provided in the Bill of Material/Production Entry module. Manufacturers with multi-level bills of material, long lead time purchase requirements or highly competitive make to stock or make to order environments will

benefit from the easy to calculate, easy to access materials needs calculations provided in this MRP process.

Small and mid-sized manufacturers must be nimble and flexible to be competitive. The MRP module within HMS makes it easier than ever.

Use Tools that Keep You Competitive

- Calculate material needs quickly for rush or last minute orders
- Include parent level forecast by item, or by item and customer
- Efficiently launch purchase orders
- Set calculation buckets by item
- Easily switch an item from a “make” to a “buy”, or vice versa, on a per item, per need basis
- Manually add unusual or unexpected items for efficiency to the purchase requirements window and then include it in the auto purchase order creation tasks
- Create user defined groupings of items on the fly for efficient work order or purchase order creation
- Restrict tools allow users to select for items for action based on planner/buyer codes, item classes, date ranges, vendors or other action critical issues
- Use Gross Requirements Reporting to identify expected use up and delivery dates
- Detailed documentation for additional review and analysis
- Define materials in locations as available or unavailable to the MRP netting process, protecting customer specific materials or consignment stocks from unplanned use up
- Enable purchasing agents to quickly identify best methods for obtaining critical materials through a variety of vendor selection methods such as least cost and shortest lead time
- Calculate modified MRP calculations based on limited items, work orders only or forecasts to support critical planning needs for key materials or resources

Create MRP Calculations over item ranges, dates and locations



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Date Driven Item Netting Identifies Available to Promise Materials

The screenshot shows the 'MRP Scheduling' window. At the top, there are menu options: Save, Calculate, Print, Redisplay, Clear, Delete, MPS, and Restrict. Below the menu, there are input fields for 'Item Selection Type' (radio buttons for Item, Item Group, Use Multiple Locations), 'Item Number' (PARENTSTD), and 'Category'. A 'Starting Qty' field is set to 1. The main table has columns: OD Required, WO Start, Type, Status, SOP#WO#Forecast ID, U of M, Quantity, and Result +/-.

Item Number	Applied To Requirement ID	Category	Prdctn Batch	Original Qty
1/1/2006	0/0/0000	Forecast	Forecast	15
1/1/2006	1/1/2006	Work Order	Planned	14
1/21/2006	0/0/0000	Sales Order	Order	25
1/21/2006	1/21/2006	Work Order	Planned	25
2/1/2006	0/0/0000	Forecast	Forecast	50
2/1/2006	2/1/2006	Work Order	Planned	50
0/0/0000	0/0/0000			0.00

At the bottom, there are navigation buttons: Source, Purchasing, Reconfigure Planned, New, and Create Work Orders.

Per item netting to identify available to promise quantities based on time bucket by item. Planned production suggestions to be firmed by user.

Suggested purchasing with dates and available vendors

The screenshot shows the 'MRP Purchasing' window. At the top, there are menu options: Save, Print, Create POs, Clear, Delete, MPS, MRP Schedule, and Restrict. Below the menu, there are input fields for 'Requirement ID' (REQUIRE00000025), 'Qty Threshold' (0.00), and 'Find Item' (Nex season). A 'Mark' button and a 'Source' button with a question mark are also present. The main table has columns: Item Number, I, C, M, Keep, PO Date, Late, Vendor ID, Location, U of M, Demand Qty, Suggested PO, and Mark.

Item Description	Required	Reorder Point / Use	Lead T.	Unit Cost
BOTTLE1	11/22/2005	RM	EA	65
COMP2	11/22/2005	AAA	RM	68 00000
COMP2	11/22/2005	AAA	RM	5 00000
DRUM1	11/17/2005	BBB	RM	25
FG-F-NN-0-2-001	11/22/2005	RM	EA	100
RM-L-LA-0-2-001	11/22/2005	AAA	RM	33
RMACT	11/21/2005	AAA	RM	4
RMACT	1/1/2006	RM	EA	56
RMACT	1/21/2006	RM	EA	100
RMACT	2/1/2006	RM	EA	200
RMACT1	11/22/2005	RM	EA	30
RMACT2	11/22/2005	RM	EA	150
RMACT2	1/1/2006	RM	EA	28
RMACT2	1/21/2006	RM	EA	50

At the bottom, there are navigation buttons: Line Sort (set to Item Number) and Recalc. Qtys.

Recommended purchases can be sorted by date, by item or by vendor before acting on recommendations. Easy selection and change of vendors using vendor lookup buttons.

