

Plan and control

- ▶ Balance supply and demand
- ▶ Plan and control manufacturing and distribution facilities
- ▶ Reduce problems of over stocking unnecessary inventory
- ▶ Generate gross requirements
- ▶ Perform 'net' logic
- ▶ Generate planned Purchase Orders and Work Orders

Planning is where resources are allocated to satisfy customer demand or to build product to a specified schedule (as in build for stock organisations).

Answer MRP provides Production Control, Purchasing and Senior Management with the information needed to plan and control the Manufacturing and Distribution facilities.

This means you can maintain the correct Parts in stock, at the right time to meet all needs. It identifies both Purchasing and Manufacturing activity and has to respond to hour-by-hour, day-by-day events together with future planned activity, thus reducing the problems of over stocking unnecessary inventory.



Material Resource Planning at multiple levels is a useful technique for planning and generating several distinct but interrelated items of information:

- ▶ A Purchasing Plan for factored/purchased Raw Materials/Components
- ▶ A Manufacturing Plan for manufactured Intermediates/Assemblies and Finished Goods
- ▶ As an input to a Rough Cut Capacity Plan
- ▶ As an Overlay for Available To Promise enquiries

The allocation of a provisional Vendor enables Vendor Purchase Schedules to be printed and the Portal Vendor enquiries to show planned activity.

Material Resource Planning is used to control finished goods, Intermediate and Manufacture to order products.

Using inputs from other Answer Modules it calculates gross requirements and available to promise figures, resulting in Planned Requirements and associated actions.

Material Resource Planning (MRP) is the module that generates gross requirements as determined by the Master Production Schedule, performs 'net' logic and generates planned Purchase Orders and Work Orders that are necessary in order to satisfy the Master Production Schedule.

The primary goal is to answer the questions:

- ▶ How?
- ▶ When, with respect to Materials Ordering?
- ▶ How much?
- ▶ From whom?

An integral component of Answer Enterprise, MRP integrates with Inventory Management and Warehousing, MPSP and CRP, Sales and Purchasing, Product Definition and Quality Management modules.

It will ensure your high level Product, intermediate and Raw Material/Component demand is managed in the optimal manner for your business.

Multiple Demand Inputs

- ▶ Forecast Demand Tables, which can contain Daily, Weekly, Periodic Demands
- ▶ External Forecast Demand Source Tables, imported from Forecasting tools, Excel spreadsheets and so on
- ▶ Customer Orders
- ▶ Inter Company Customer Orders
- ▶ Customer Sales Quotations of a selected Confidence Factor
- ▶ MPSP Orders Only
- ▶ Combination of Demand Inputs and Time Fencing Capabilities
- ▶ Ability to merge multiple External Forecast Demand Sources into One Demand Table
- ▶ Define which MRP Simulation is to be regarded as the 'Active/Action' for inclusion into ATP enquiries, Vendor Portal Activity and so on

Time Groups

- ▶ Flexible, User Defined Grouping for Enquiries and Reports
- ▶ Grouping Periods of Day, Weeks, Months, Years
- ▶ User Defined Period Lengths
- ▶ User Defined Period Repeats
- ▶ Aggregate Time Group buckets based on Planned Order Release Date or Due Date based on user preferences
- ▶ Define what happens to Planned Orders with Due Dates prior to today, ignore or place in first available Time Group bucket

Review and Action Processing

- ▶ Planned Orders
- ▶ Expedite and De Expedite
- ▶ Cancel
- ▶ Convert at base, purchase unit of measure or manufacture unit of measure as is appropriate
- ▶ Full conversion of Planned Orders to Work Order/Schedules, Purchase Requisitions or Purchase Orders
- ▶ Add Planned recommendations to existing Purchase Orders/Works Orders
- ▶ Auto change PO and WO Due Dates for Expedite and De-Expedite processing

Lead Time Offset

- ▶ Use Purchase Part Receiving/Inspection times as 'internal' time for whatever purpose, quality assurance and so on
- ▶ Lead Time Offset, Receiving/Inspection is in work days and is used when calculating expedite and de-expedite scenarios

- ▶ The Receiving/Inspection time is still used as part of the overall parts' lead time but not 'given' to the vendor

Reporting and Analysis

- ▶ Exception reporting
- ▶ By Product reporting
- ▶ Planned Orders reporting and by Time Group
- ▶ Cash Requirements reporting and by Time Group
- ▶ MRP Schedule reporting and by Time Group
- ▶ Potential Surplus Stock Analysis

Group Part Demand Management

- ▶ Define Group Parts and Constituents/Components
- ▶ Define Forecast Demand for Group Parts

For more information visit the Answer Solutions website or contact us.

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