

# MATERIAL REQUIREMENTS PLANNING (MRP)

FUJITSU

FUJITSU GLOVIA, INC.



## Get the right materials to the right place at the right time

GLOVIA G2 Material Requirements Planning (MRP) helps you reduce inventory material investment and improve productivity and customer service by getting the right materials to the right place at the right time.

### Integrated Planning Power

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MRP can be driven by Project Requirements and/or the master production schedule to ensure that high-level requirements are consistent with the authorized production plan. MRP is integrated with your live inventories, work orders, projects, and sales and purchase orders to ensure that the latest information is always considered. MRP is also integrated with GLOVIA G2 Engineering to provide access to currently effective bills of material, routings, and item planning policies.

### MRP by Entity

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GLOVIA G2 provides the ability to conduct separate, independent MRP netting in each specific work center and outsource supplies when production limits are exceeded.

### Planning Cockpit

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The Planning Cockpit is an extremely visual, highly productive user experience that provides immediate access to information in all areas necessary for successful planning/scheduling, including sales demand, and planned and committed production and purchased supply. This gives planners, analysts and program managers the ability to react quickly and easily to any exceptions that may occur.

It provides for the rapid creation and update of supply orders based on the MRP planning recommendations. A complete multi-level 'product structure' displays the supply order recommendations and exception details for all items and raw materials used in the manufacture of an item.

Visual images of each item selected for action are displayed providing for increased productivity and reducing the likelihood of mistakes.

Color-coding is used to display the importance/severity of the exception.

With a single click of a button the user can process any selected MRP recommendations.

Where supply shortages/delays are anticipated – The 'Where-used' feature of the Planning cockpit provides instant multi-level visibility of the items, products, production orders, sales demands and customers that will be affected by that delay.

### Multiple Planning Cycles

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No single view of supply and demand data can satisfy all of your planning needs. Strategies to support near term production require one view, while long-range material commitments require another. That is why MRP offers multiple planning cycles with variable phasing and planning horizons. The MRP system can also be used to generate purchase orders and work orders and to release repetitive schedules as well as contract purchase orders automatically with allocations across multiple suppliers.

## Keeping Planning Parameters and Lead Times Relevant

To help incorporate current conditions into the planning equation, the system provides the ability to process mass updates of planning statuses and lead times.

## Financial Measurement

MRP gives you an instant picture of projected inventory investment levels, as well as projected new purchases in accordance with your plan. Projections can be made on any MRP cycle. This provides an added dimension of visibility for directing the planning focus on the most significant areas of your investment. This also helps you to validate a plan financially and make swift adjustments before committing your cash.

## Planning in Hours, Minutes and Seconds

- Most ERP packages only plan in days.
- In high volume businesses, it is not un-common for stock 'turns' of certain items to be less than a day.
- Lead times can be defined and planning conducted in hours, minutes and seconds.
- Multiple supply orders/releases/call-offs can be generated in a single day to fulfill multiple demands at different times of the day.

## Cross Company and Cross Plant Planning

- The option to net supplies and demands separately within each plant/warehouse or to net the consolidated results is provided.
- Netting across companies that are separate financial entities is also possible.

## Planning Cockpit

- Reschedule open commitments to suggested due date
- Highlights items with due/overdue for order creation
- Overstock exceptions
- Cancellations suggested
- Sensitivity filters control the volume and types of exceptions

## Materials Requirements Planning Capabilities

- Multiple planning cycles and Netting Options
- Multiple Item netting policies control the timing and quantities of supplies.
- Planned Orders
- Distinct or Repetitive/Release based supply order creation for manufactured, transferred and purchased items
- Integrated with projects
- Multi-level
- Activity planned in hours and minutes
- Honors multi-level material pegging
- Mass update of item planning policies and lead times to better match current conditions

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