

# Material Requirements Planning

*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***

MRP can be driven by 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***

glovia G2 provides the ability to do MRP netting for a specific work center record. If required, MRP can create supply and demand records for transfer orders between factories.

## ***Planner's Workbench***

MRP gives planners online access to the critical information that is necessary for successful planning. You can review calculated demand from the master production schedule and dependent demand from production orders. You can also view material commitments, shortages and purchased material supply. To help incorporate current conditions into the planning equation, the system provides the ability to process either selective or mass updates of planning statuses and lead time changes, as well as the ability for complete online exception processing.

## ***Multi-Level Material Pegging***

MRP processing logic honors material pegging generated by glovia G2 Project Resource Planning (PRP). This ensures that your free stock, commitments, and netting calculations display the pegging of replenishment orders to provide complete hierarchical material visibility at all levels.

## ***Multiple Planning Cycles***

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.

### ***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.

### ***Materials Requirements Processing***

- Multiple planning cycles
- Concurrent MRP planning views
- Optionally driven by selected glovia G2
- Computer-planned orders
- Generate purchase requisitions
- Generate purchase orders
- Contract purchase order releases for suppliers
- Work orders optionally generated
- Repetitive schedules created from MRP-planned orders
- MRP planning by work center
- MRP transfers for supply & demands across locations

### ***On-Line Exception Planning***

- Paperless analyst review of suggested actions by item
- System suggests reschedule of open commitments by due date
- Highlights items with inadequate lead time
- Overstock analysis
- Cancellations suggested
- Sensitivity filters allow planners to control types and volume of exceptions
- Honors multi-level material pegging
- Planner's workbench

### ***Processing Options***

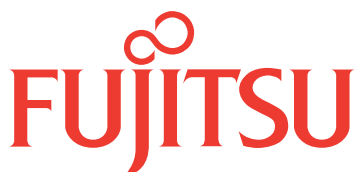
- MRP netting options
- Select multiple locations
- Phasing days per period
- Planning horizon
- As-of date for start of horizon
- Exceptions filters
- Summarization options
- Reschedule in/out rules
- Sensitivity by days for exception messages
- Order and delivery policies

### ***Planner Updates***

- Mass update of item planning status by product classification
- Selectively update lead-time elements in mass

### ***Inquiries and Reports***

- Material requirements planning by item
- Exceptions by item
- MRP detail
- MRP summary
- Projected inventory
- Projected purchase orders
- Excess stock
- Generated work orders
- Generated purchase requisitions
- Generated purchase orders
- Generated repetitive schedules
- Generated contract order releases



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