

# Master Production Scheduling (MPS)

*Balancing and integrating the needs of marketing, manufacturing, and finance with the needs of your customers*

The master production scheduling process translates a business plan into a dynamic and comprehensive product manufacturing schedule. GLOVIA G2 Master Production Scheduling (MPS) helps your management team balance and integrate the needs of marketing, manufacturing and finance with those of your customers.

## **Powerful Scheduling Tools**

Master scheduling requires ongoing analysis, measurement and adjustment to achieve revenue goals and to allocate material and resources profitably. MPS gives you a set of powerful tools for resource planning and scheduling, analysis and performance measurement.

## **Planner's Workbench**

A Planner's Workbench provides the means for consolidating all planning and scheduling functions onto one easy-to-use screen. The workbench gives you immediate access to information in all areas necessary for successful planning/scheduling, including sales demand, committed production and both purchased and planned supply. This gives planners, analysts and program managers the ability to react quickly and easily to any exceptions that may occur.

## **"What If" Simulation**

A "what if" simulation capability ensures the best possible manufacturing scenario because it allows you to analyze the effects of alternate scenarios using either current or simulated data.

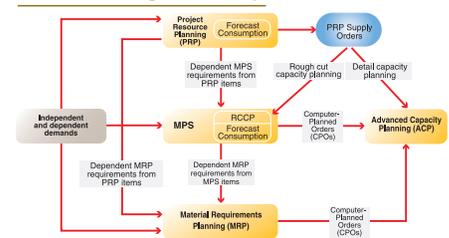
## **Scheduling Cycles**

Because no single view of your supply and demand data can satisfy all of your planning needs, MPS enables you to create and maintain an unlimited number of planning scenarios: one for near-term deliveries, another for long-range production capacities, and so on. Each cycle provides a unique view of the information, which is essential to developing your factory's priorities.

## **Instant Available-to-Promise Information**

Your customer has an emergency requirement for an item that is in critical demand. Can you make the shipment? Our on line Available-To-Promise (ATP) feature allows you to investigate the current product availability instantly. You will always have up-to-the-minute item information on hand to make critical delivery commitments.

## **The Planning Hierarchy**



### ***Performance Measurement***

MPS can give you an on-line “snapshot” estimation of the profit or loss that your build plan will yield. Performance analysis can be based on current or simulated data. This helps you focus on areas of maximum payback and set priorities before committing critical resources.

### ***Master Scheduling***

- Planning workbench
- Multiple scheduling cycles
- Concurrent MPS planning views
- Cycle options and policies consistent with MRP controls
- Choice of current or simulated data for what-if analysis
- Master schedule items at any level
- Independent and dependent demand items
- Spares item scheduling
- Time fence control at item level
- Computer planned orders
- Selectable Computer-Planned Order (CPO) conversions
- Generation of purchase requisitions and purchase orders
- Integrated with projects
- Honors multi-level material planning
- Creation of manufacturing orders
- Activity planned in hours and minutes
- Generation of contract buy and make releases

### ***On-Screen Exception Planning***

- Paperless analyst review of suggested actions by item
- Reschedule open commitments by system suggested due date
- Highlights items with inadequate lead time
- Overstock analysis
- Cancellations suggested

- Sensitivity filters allow planners to control volume and types of exceptions

### ***Planning Bill of Materials***

- Parent item by model, product, or family group
- Support of revision control
- Current or simulated versions
- Component mix percentages

### ***Forecast Demand***

- Automatic generation of repeating forecast based on quantities, intervals, and dates
- By location within operating unit
- Item forecasts generated from planning bills
- Pegging to demand source
- Forecasts optionally consumed by bookings
- Demand stream references
- Forecast maintenance

### ***Firm Planned Orders***

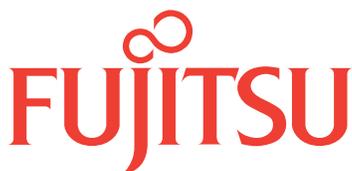
- By location within operating unit
- For multiple products with scheduled deliveries
- Option to convert to manufacturing orders
- Support for full attributes of manufacturing work orders

### ***Rough-Cut Capacity Planning***

- Current or simulated analysis of critical resources and capacities
- Based on representative routings

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

- MPS planning by item
- MPS exceptions by item
- Available-to-promise
- Critical path lead time
- MPS detail
- MPS summary
- MPS exceptions



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