

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 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 on-going analysis, measurement and adjustment to achieve revenue goals and to allocate material and resources profitably. MPS gives you a set of powerful tools for material and resource planning, analysis, and performance measurement.

Planning Cockpit

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 MPS 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 MPS 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.



"What If" Simulation and Scheduling Cycles

The "What if" simulation capability provides the ability to analyze alternate planning approaches using current or simulated data.

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 up to the minute product availability instantly.

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.

Netting based on Distribution Centers Re-order points

- The ability for MPS to predict when Distribution Center replenishments will be required is critical in ensuring raw materials are available at the manufacturing/ supply units.

- In environments where raw materials have long lead times and/or re-order points in the distribution center vary with time - It is possible to net the demands and time varying re-order point quantities for the distribution centers' and predict when the replenishments will be required and more importantly when the raw materials will need to be ordered.

Performance Measurement Planning Bill of Materials

- MPS provides a "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

- Multiple scheduling cycles
- What-if analysis
- Master schedule items at any level
- Independent and dependent demands
- Spares item scheduling
- Time fence controls for each item level
- Planned Orders
- Distinct or Repetitive/Release based supply order creation for manufactured, transferred and purchased items
- Integrated with projects
- Honors multi-level material planning
- Creation of manufacturing orders
- Activity planned in hours and minutes

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

Rough-Cut Capacity Planning

Simulated Rough cut planning based on representative routings, critical resources and their capacities.

Forecast Demand, Consumption and Planning BOM's

- Automatic generation of repeating forecast based on quantities, intervals, and dates
- Forecasts optionally consumed by orders
- Planning by model, product, or family group
- Component mix percentages
- Forecasts generated from planning bills