

ORACLE MANUFACTURING MPS FOR PROCESS MANUFACTURING

KEY FEATURES

MPS FOR PROCESS INCLUDES:

- Access real-time information from sales, production, inventory
- Allow planners and buyers to define their own planning views
- Provide line planners with views of individual plant schedules
- Assess the impact of customer orders on inventory
- Perform “what if” calculations to view the effects of unanticipated orders
- Establish flexible buckets for viewing material activity within a schedule
- Display all pending supply and demand by bucket
- View net safety stock requirements for any item at any time
- Develop schedules for both make-to-stock or make-to-order manufacturing
- Establish data buckets by day, week, month and quarter

Oracle® Process Manufacturing Master Production Scheduling facilitates production planning across multiple sites and organizational levels of an enterprise. Oracle Process Manufacturing Master Production Scheduling is part of Oracle Process Manufacturing (OPM), an integrated suite of E-Business applications for the enterprise, which is designed to transform your business to an e-business.

Accurate Scheduling Across all Levels of your Organization

Balancing supply and demand requires careful planning and monitoring. Planners not only need to ensure sufficient product to satisfy customer requirements, but they also face continual pressure to minimize inventory on hand to minimize costs. Inherently complex, these normal planning challenges can become monumental in multi-site enterprises.

A Multilevel Approach to Effective Master Scheduling

OPM Master Production Scheduling helps you master the complexities of multi-site planning. It provides a global view of enterprise-wide activity that permits adjustment of production schedules for more efficient resource utilization while offering individual plants the autonomy to respond quickly and effectively to customer demands.

OPM Master Production Scheduling facilitates planning at all levels—plant, region, division and enterprise. It empowers local planners to “own” their production schedules, while allowing line planners to view both individual plant schedules and the aggregate production schedule across all plants. Planners can also access the OPM Production Scheduler (Gantt Chart) to view resource availability and loads. The Gantt Chart allows planners to perform “Drag and Drop” rescheduling for batches.

OPM Master Production Scheduling works in conjunction with the OPM Process/Material Planning (ASCP) and Production Management modules to convert firm planned orders (FPOs) into scheduled production orders easily and efficiently. In addition, tight integration with Oracle Inventory Management allows you to assess the impact of date changes for scheduled batches to inventory commitments and availability. The result is easier, more accurate planning at all levels.

Maximize Planning Efficiency with Customizable Views of Supply and Demand

OPM Master Production Scheduling defines schedule parameters to provide planners and buyers a customized view of the production schedule for the items and plants for which they are responsible.

Create Flexible Buckets for Material Activity Analysis

For enhanced analysis of material activity, OPM Master Production Scheduling enables planners and buyers to establish flexible buckets for viewing the material activity within their schedules. All pending supply and demand can be displayed for an item in buckets of days, weeks, months, and quarters.

OPM Master Production Scheduling also provides unbucketed views of material activity, delivering a detailed, time-phased view of current and scheduled material activity, running projected inventory balances, and safety stock positions.

To help you determine aggregate demand for an item, OPM Master Production Scheduling lets you display its net safety stock requirements at any time. It can also suggest planning approaches designed to keep your net safety stock at appropriate levels.

Both the bucketed and unbucketed material activity views available in OPM Master Production Scheduling tailor information to a planner’s specific requirements. They can help flag critical situations that require immediate attention and provide the tools for more effective decision-making. The unbucketed material activity view can be used for ATP (Available-to-Promise).

Past Due Date	Document Type	Inventory Organization	Document Number	Quantity	Balance	Critical Customer/Vendor
<input checked="" type="checkbox"/> 01-DEC-2006	OMSO	PR1	153073	-20.000000000	527264.000000000	<input type="checkbox"/> 1168
<input checked="" type="checkbox"/> 04-DEC-2006	PROD	PR1	136188	20.000000000	527284.000000000	<input type="checkbox"/>
<input checked="" type="checkbox"/> 04-DEC-2006	PROD	PR1	136190	20.000000000	527304.000000000	<input type="checkbox"/>
<input checked="" type="checkbox"/> 04-DEC-2006	PROD	PR1	136191	20.000000000	527324.000000000	<input type="checkbox"/>
<input checked="" type="checkbox"/> 04-DEC-2006	OMSO	PR1	153095	-375.000000000	526949.000000000	<input type="checkbox"/> 1841
<input checked="" type="checkbox"/> 04-DEC-2006	OMSO	PR1	153093	-2429.000000000	524520.000000000	<input type="checkbox"/> 1839
<input checked="" type="checkbox"/> 04-DEC-2006	OMSO	PR1	153092	-2429.000000000	522091.000000000	<input type="checkbox"/> 1838
<input checked="" type="checkbox"/> 04-DEC-2006	OMSO	PR1	153091	-1827.000000000	520264.000000000	<input type="checkbox"/> 1837

Figure 1: Material Activity Inquiry: View Production batches, Sales orders, Forecast, and Projected Balances for an ATP view

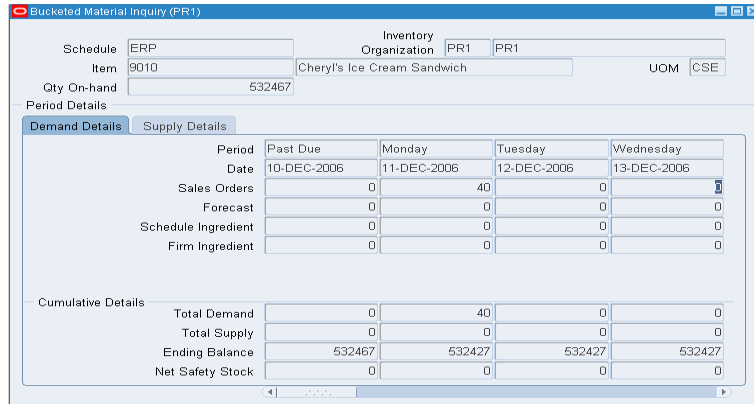


Figure 2: Bucketed Material Inquiry: View projected available balance, safety stock considerations, and pending supply and demand for your items in user-definable time buckets

Establish Schedules that Meet Your Requirements

OPM Master Production Scheduling offers planners and buyers a view of the production schedules for the items and plants under their responsibility, and gives both local and line-level planners and buyers access to single-plant and aggregate plant schedules.

Schedule parameters allow planners and buyers to define the rules by which the OPM Process/Material Requirements Planning and Master Production Scheduling modules will make planning calculations for items. For example, you can specify whether both sales orders and forecasts or sales orders only should be considered a source of demand.

OPM Master Production Scheduling accommodates both make-to-stock and make-to-order manufacturing. It lets you define both inner and outer time fences, to ensure that you always receive only the amount of information appropriate for your planning. In addition, it also offers the flexibility to bucket data as your business needs dictate—daily buckets, for example, can be expanded to include weeks, months or quarters.

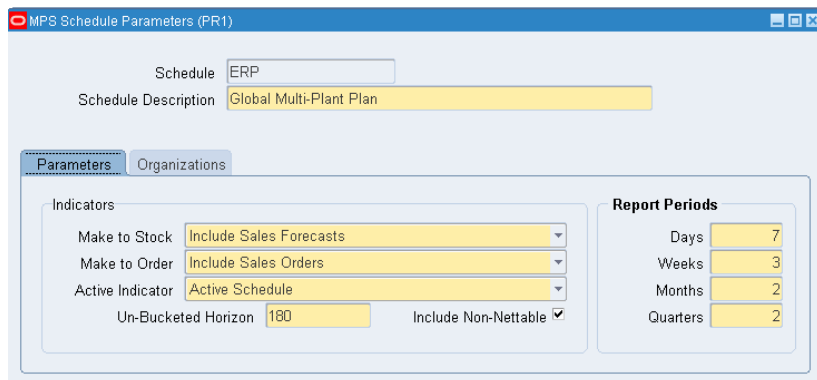


Figure 3: MPS Schedule Parameters

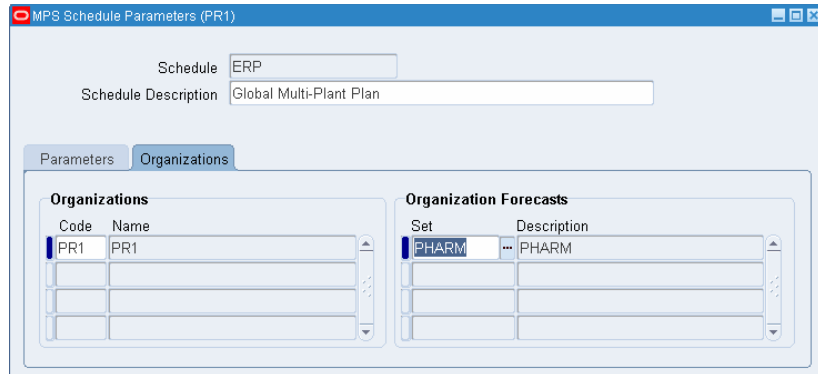


Figure 4: Establish schedule parameters to determine the horizon for which OPM Process/Material Requirements Planning and Master Production Scheduling will consider material activity

Immediately Evaluate the Effects of Schedule Changes

The business landscape is constantly changing at a faster and faster rate. Consequently, access to real-time data is critical for an e-business. The OPM Master Production Schedule views current material activity including firm planned orders, production batches, purchase orders, sales orders, transfer orders, and (optionally) forecasts. The effects of changes to any of these components of your schedule are viewable immediately.

Evaluate Firm Planned Orders Before Implementation

Firm planned orders (FPOs) facilitate longer-term production planning before ingredients, lots, routings, and exact production dates have been solidified. Like production orders, FPOs represent planned production runs. FPOs have several key elements, including item and formula, desired production quantity, and planned start and completion dates.

To determine whether ingredient considerations could affect the scheduling of an FPO, OPM Master Production Scheduling displays an FPO's ingredient list before you execute the order. You can also preview the by-products associated with each formula's production, enabling you to plan for any special procedures for by-product handling.

Whether a planner or buyer commits an FPO to production, OPM Production Management creates the production order from information contained on the FPO. It allows users to allocate ingredient lots at the same time to ensure adequate resources at the time of production.

OPM Master Production Scheduling gives you the flexibility to modify the start and/or completion dates of scheduled batches and FPOs, projecting the effects of each change on ingredient or finished goods inventory in the OPM Inventory Management module. This important "what if" analysis gives planners and buyers the tools to simulate scenarios of unanticipated orders or ingredient shortages.

KEY BENEFITS**ORACLE MPS FOR PROCESS
MANUFACTURING KEY
BENEFITS**

- Access real-time information from sales, production and inventory to make quick and accurate decisions.
- Perform “what if” calculations to view and react to the effects of unanticipated orders or shop floor problems such as resource breakdowns and overloading.
- View ATP from the unbucketed Material Inquiry projecting inventory balances to satisfy new demand.
- Evaluate Firm Planned Orders before implementing by checking ingredient and resource loading availability then commit FPO's to production.

RELATED PRODUCTS

OPM Master Production Schedule is designed to work together with the following products:

- Oracle Advanced Planning and Scheduling
- Oracle Forecasting
- Oracle Process Execution
- Oracle MES for Process Manufacturing
- Oracle Inventory
- Oracle Purchasing
- Oracle Order Management

RELATED SERVICES

The following services are available from Oracle Support Services:

- Oracle E-Business Suite Accelerators
- Oracle Application Solution Centers
- Oracle University
- Oracle Consulting

Oracle E-Business Suite—The Complete Solution

Oracle E-Business Suite enables companies to efficiently manage customer processes, manufacture products, ship orders, collect payments, and more—all from applications that are built on unified information architecture. This information architecture provides a single definition of your customers, suppliers, employees, and products—all important aspects of your business. Whether you implement one module or the entire Suite, Oracle E-Business Suite enables you to share unified information across the enterprise so you can make smarter decisions with better information.

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