

# Requirements Planning

To create realistic purchasing and production schedules, optimize stock holdings and identify capacity constraints in a multi-site and multi-warehouse environment.

## The Value of SYSPRO Requirements Planning

- Meet demand with effective planning of required material and production capacity
- Identify usage of critical resources with rough-cut capacity planning
- Easily create build schedules from Master Production Schedule (MPS) suggestions
- Suggest purchasing, production and transfer schedules to satisfy demand
- Create and amend purchase orders and jobs based on suggestions with powerful, on-screen reviews
- Test plans before updating the live system with “snapshot” functionality
- Control inventory levels by identifying potential over-supply
- Avoid bottlenecks by reviewing average queue times
- Manage lot traceable items including tracking expiration dates
- Preview reports to screen and email capabilities

## Audit Trails and Reporting

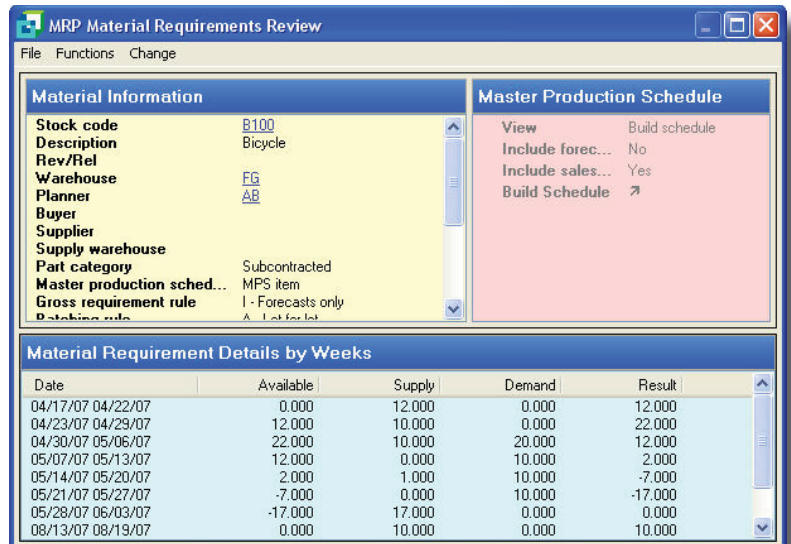
- Comprehensive reports include Capacity Loading, Material Requirements, Suggested Work Orders, Suggested Purchase Orders, Pegging and Resource Requirements
- Action Reports include: Build Schedule, Job, Purchase Order, Sales Order, Forecast, Safety Stock and Capacity
- Calculates projected available and available to promise
- Provides review of late supplies

## Integration

- Integrates with the Sales Orders, Quotations, Inventory Control, Work in Progress, Bill of Materials, Purchase Order, and Forecasting
- Email reports with the Office Automation module
- Requirements Planning requires the Inventory Control module

## Matching SYSPRO to Your Business

- Calculate material and capacity requirements under an infinite or finite capacity assumption
- Create actual purchase orders, work orders or requisitions from suggestions
- Generate supply chain transfers from suggestions for transfers between warehouses
- Accept suggested changes to existing purchase orders and jobs based on changes in demand
- Detailed pegging information available in queries and reports
- Define Gross Requirements rule per item
- Define planning frequencies, lead times and planning horizons for time fence indicators
- Query MRP calculation results with pegging details
- View capacity load in a bar chart or report form
- Quickly identify overloaded work centers
- Critical resource queries facilitate effective planning
- View and report planning details in any time period with bucketless environment
- Optional inclusion/exclusion of requisition users



The screenshot shows the 'MRP Material Requirements Review' window. It is divided into three main sections:

- Material Information:** Displays details for Stock code B100 (Bicycle), Warehouse FG, Planner AB, and other attributes like Part category (Subcontracted) and Master production sched... (MPS item).
- Master Production Schedule:** A table with columns for View, Include fore..., Include sales..., and Build Schedule. The 'Build Schedule' option is selected.
- Material Requirement Details by Weeks:** A table showing weekly requirements. The columns are Date, Available, Supply, Demand, and Result. The data shows a demand of 12,000 units starting from 04/17/07, with a result of 12,000 units available.

Date	Available	Supply	Demand	Result
04/17/07 04/22/07	0.000	12.000	0.000	12.000
04/23/07 04/29/07	12.000	10.000	0.000	22.000
04/30/07 05/06/07	22.000	10.000	20.000	12.000
05/07/07 05/13/07	12.000	0.000	10.000	2.000
05/14/07 05/20/07	2.000	1.000	10.000	-7.000
05/21/07 05/27/07	-7.000	0.000	10.000	-17.000
05/28/07 06/03/07	-17.000	17.000	0.000	0.000
06/13/07 08/19/07	0.000	10.000	0.000	10.000