

# 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

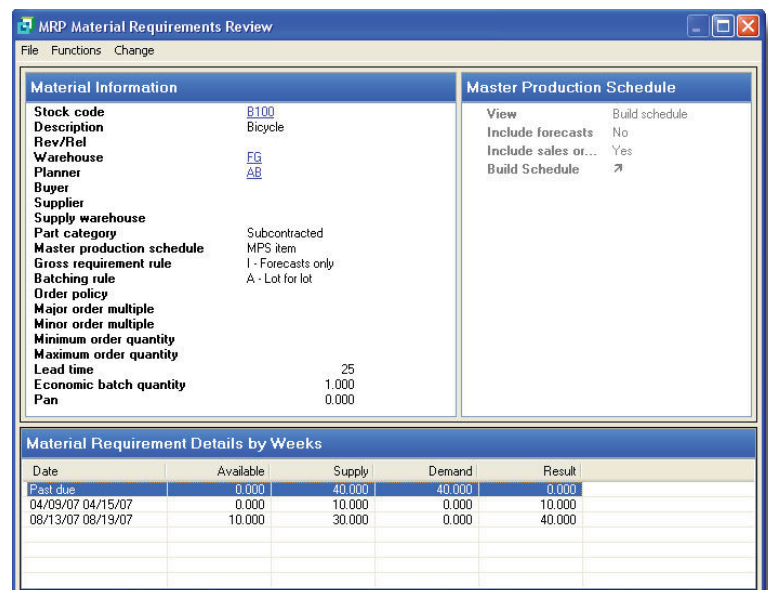
- Comprehensive reports include Capacity Loading, Material Requirements, Suggested Work Orders, Suggested Purchase Orders, Pegging and Resource Requirements
- Action Reports include: Build Schedule, Job, Purchase Order, Sales Order, Forecast, Safety Stock and Capacity
- Calculates projected available 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
- Requirements Planning requires the Inventory Control module
- Email reports with the Office Automation 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 two main sections: 'Material Information' and 'Master Production Schedule'. Below these is a table titled 'Material Requirement Details by Weeks'.

| Material Information       |                    | Master Production Schedule |                |
|----------------------------|--------------------|----------------------------|----------------|
| Stock code                 | B100               | View                       | Build schedule |
| Description                | Bicycle            | Include forecasts          | No             |
| Rev/Rel                    |                    | Include sales or...        | Yes            |
| Warehouse                  | EG                 | Build Schedule             | ↗              |
| Planner                    | AB                 |                            |                |
| Buyer                      |                    |                            |                |
| Supplier                   |                    |                            |                |
| Supply warehouse           |                    |                            |                |
| Part category              | Subcontracted      |                            |                |
| Master production schedule | MPS item           |                            |                |
| Gross requirement rule     | I - Forecasts only |                            |                |
| Batching rule              | A - Lot for lot    |                            |                |
| Order policy               |                    |                            |                |
| Major order multiple       |                    |                            |                |
| Minor order multiple       |                    |                            |                |
| Minimum order quantity     |                    |                            |                |
| Maximum order quantity     |                    |                            |                |
| Lead time                  | 25                 |                            |                |
| Economic batch quantity    | 1,000              |                            |                |
| Par                        | 0.000              |                            |                |

| Material Requirement Details by Weeks |           |        |        |        |  |
|---------------------------------------|-----------|--------|--------|--------|--|
| Date                                  | Available | Supply | Demand | Result |  |
| Past due                              | 0.000     | 40.000 | 40.000 | 0.000  |  |
| 04/09/07 04/15/07                     | 0.000     | 10.000 | 0.000  | 10.000 |  |
| 08/13/07 08/19/07                     | 10.000    | 30.000 | 0.000  | 40.000 |  |
|                                       |           |        |        |        |  |
|                                       |           |        |        |        |  |