



## Requirements Planning

### Objective

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 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

### Matching Requirements Planning to your business

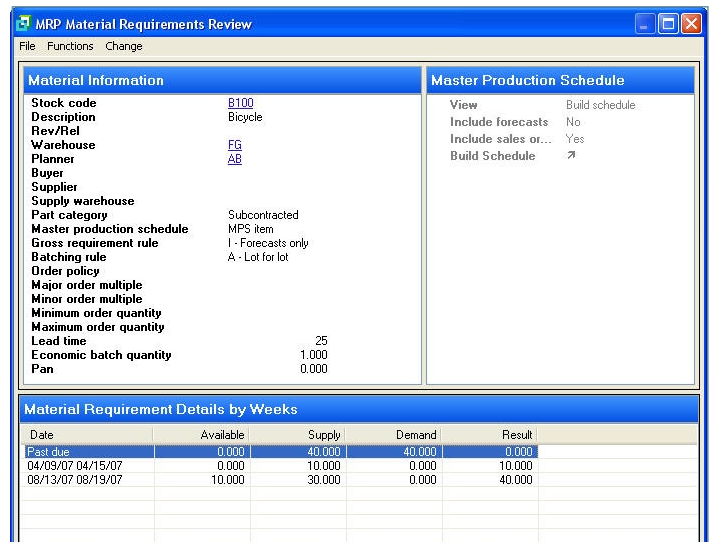
- Calculate material and capacity requirements under an infinite or finite capacity assumption
- Create actual purchase orders, work orders or requisitions from suggestions
- Generate supply chain transfers from suggestions for transfers between warehouses
- Accept suggested changes to existing purchase 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

### Integration

- Integrates with the following modules:
  - Bill of Materials
  - Inventory (Essential)
  - Inventory Families and Groupings
  - Inventory Forecasting
  - Purchase Orders
  - Quotations
  - Sales Orders
  - Work in Progress

### 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
  - Capacity
  - Forecast
  - Job
  - Purchase Order
  - Sales Order
  - Safety Stock
- Calculates projected available and available to promise
- Provides review of late supplies



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		
Pan	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	