



Manufacturing with Dynamics SL

Material Requirements Planning (MRP) augments existing SL distribution and manufacturing modules to allow manufacturers to automatically perform time-phased material planning to satisfy customer demand.

Material Requirements Planning



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FEATURES and BENEFITS

Save time manually creating Work Orders or Purchase Orders: let MRP do this automatically.

Reduce inventory investment by making what you need when you need it.

Reduce expediting costs and find shortages

Be more responsive to changing demand and new customer priorities.

See the immediate effect on production of changes to sales orders.

Setup and manage phantom bills of material to better organize product structure.

Forecast future inventory and plan production around your total demand of orders plus forecast.

Support manufacturing planning at multiple sites.

Implement a supply chain network, including distribution requirements planning (DRP) by linking supply and demand sites.

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Material Requirements Planning

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With MRP, you will be able to determine what inventory to make, what to buy and when to execute.

- Automatically collects Order Management sales data to identify independent demand.
- Determines dependent demand through multi-level SL Bill of Materials or kits
- Holds and consumes time phased forecast information.
- Uses a shop calendar to avoid planning and scheduling on weekends and holidays.

Planning Inquiry (MR.100.00)

Item: ORETRO24 Premier Edition Retro-Bike (24" size) Site: 200 Building 200

Drill	Description	7/30	7/31	8/21	9/8	10/12
1	QOH - Safety Stk / Planned QOH	0.00	476.00	176.00	156.00	152.00
2	Forecast	0.00	-300.00	-20.00	-4.00	-7.00
3	Sales Orders and Demand	-89.00	-4.00	0.00	0.00	0.00
4	Receipts	565.00	0.00	0.00	0.00	0.00
5	Avail to Prom (or Net Required)	476.00	176.00	156.00	152.00	145.00
6	Planned Receipts	0.00	0.00	0.00	0.00	0.00

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Plan production using an industry standard columnar layout.

Planned Releases tell the planners when to execute to fulfill demand.

Drill Down and Pegging (MR.110.00)

Component: ORETRO24 Site: 200 Peg From: 7/30/2009 Peg To: 7/30/2009

Pegging Filters
Sales Order: Sales Order:
Planned Order:

Sales Ord and Demand Refresh

Detail (F4 - for grid/form view)

	Comp Needed	Parent Item	Parent Site	Parent Needed	Parent Reference	Type	Quantity	Sales Order
1	7/30/2009	ORETRO24	200	7/30/2009	00006	Sales Order	-1.00	O0005251
2	7/30/2009	ORETRO24	200	7/30/2009	00015	Transfer Out	-22.00	TR000038
3	7/30/2009	ORETRO24	200	7/30/2009	00016	Transfer Out	-22.00	TR000039
4	7/30/2009	ORETRO24	200	7/30/2009	00017	Transfer Out	-22.00	TR000040
5	7/30/2009	ORETRO24	200	7/30/2009	00018	Transfer Out	-22.00	TR000041
6	7/30/2009				Total		-89.00	

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Allows planners to peg planned production back to source of demand and schedule and prioritize

