

MRP JOB & PO GENERATION OVERVIEW

How daily MRP converts firm demand into coordinated Jobs and Purchase Orders.

1 Complete Every MRP Session



Convert all suggested Jobs through all levels and convert all suggested POs in the same MRP session. Complete conversion keeps the plan coordinated and current.

2 Jobs Drive Lower-Level Demand



Converted Job planned start dates create demand for subassemblies and purchased items. MRP generates supply level by level to support current net demand.

3 Demand Dates Create Supply Dates

Demand Dates		Supply Dates	
	SO Line Required Date		 Job Finish Date
	Job Planned Start Date		 PO Line Expected Date

Jobs and POs are dated from standard lead times and aligned to coordinated system target dates.

4 React to the Firm



Each item has its own action window equal to the time required to make or buy it. MRP reacts only to demand inside that window.



Inside action window = firm demand



Outside action window = tentative demand

5 Why It Works



- Supply stays aligned with firm demand
- Reduces shortages and overstocking
- Minimizes Job and PO revisions
- Helps prevent bullwhip-style lower-level misalignment



Best practice: Run MRP daily, convert all suggested Jobs and POs, and let action windows keep supply aligned with firm demand.