

DEMAND DRIVEN MRP

How required dates drive MRP demand, job priorities, production flow, and customer communication.

THE WORKFLOW

- 1 SO Required Dates Drive Demand**
Time to Shipment targets establish Sales Order Required Dates. Strategic stocking of key sell items, subassemblies, and materials reduces or eliminates lead time. SO Required Dates drive MRP demand and priorities.
- 2 Run MRP and Convert Firm Demand**
Generate all Jobs and Purchase Orders using MRP. Convert only demand inside the firm MRP Planning Action Window.
- 3 Convert All Suggested Jobs and POs**
Convert all Suggested Jobs through all levels of production to complete the time-phased demand profile. Convert all suggested Purchase Orders to execute the firm demand schedule.
- 4 MRP Aligns Supply to Job Start**
MRP automatically aligns subassembly Jobs and Purchase Orders with the planned start date of your Job.
- 5 Release Jobs Only With Material**
In the Job Control Panel, release Jobs only when material is fully allocated. If materials are late, the Job supply date is automatically adjusted at release, giving reliable feedback on progress.
- 6 Run Work Centers by Priority**
The Work Center Schedule prioritizes sequences based on the SO Required Date that drives demand. If a Job is running late, its sequences automatically move up in Work Center queues. Issue material where needed and report labor as sequences are completed.
- 7 Late Supply, Job Receipt, and Picking**
Use Late Supply to update Expected Ship Dates and inform Customers. Receipt Jobs when statuses are green and receipt cost is reasonable. For subassembly final receipts, release the next-level Job immediately. Picking Manager ships orders based on required-date priorities.

MRP PROCESS

- Required Dates
- Jobs (M)
- POs (P)
- Supply Aligned

HOW DBA KEEPS YOU ALIGNED



DEMAND SIGNAL

SO Required Dates become the master signal for MRP demand and priority.



FIRM ACTION WINDOW

Only firm demand inside the MRP Planning Action Window is converted into action.



TIME-PHASED SUPPLY

Subassembly Jobs and Purchase Orders are aligned to the planned start dates of parent Jobs.



MATERIAL-READY RELEASE

Jobs are released only when materials are fully allocated, keeping execution realistic.



REAL-TIME FEEDBACK

Work Center reporting and Late Supply updates provide immediate schedule and customer feedback.



SHIP TRUE TO PRIORITY

Picking Manager allocates and ships by Required Date so you stay true to priorities.



Demand Driven MRP works best when you convert all firm Jobs and POs, release Jobs only with material, run Job sequences in priority order, and perform Job transactions in real-time.