



MRP FAQ

DBA Manufacturing Demand Driven MRP

1 Am I required to use MRP?



Short answer: Yes. MRP is the core element in DBA's demand driven manufacturing architecture and can't be replaced with alternate planning methods.

- P** Standard Lead Days for all P items (procurement time)
- M** Standard Job Days for all M items (production time)
-  Consistent To Order or Stocking (Demand Driven) order policy with pipeline settings for stocking items



MRP generates Jobs and POs daily to ensure materials are on hand by Job planned start dates.



Use the item planning settings as designed and you will get good results. Bypassing or co-opting settings or bypassing MRP with manual planning will lead to poor results.

2 Why are shortage reports not available?



Why manual planning from shortage reports is counter-productive

- Ignores time-phased demand—items made/bought too early
- Ignores progressive, lowest-level demand creation
- Manual jobs/POs lack proper date alignment and assembly order
- Highly vulnerable to human error; leads to shortages and over-stocking

Demand Driven MRP cannot be replaced with alternative planning methods

The demand-driven architecture requires standard Lead Days, Job Days, and consistent order policies with pipeline settings. MRP assures materials are on hand by Job planned start dates.



Use the settings as designed. Manual planning outside MRP will lead to poor results.

3 Why is a BOM demand explosion not available?



Demand driven manufacturing is item-based

Each sell item, subassembly, and purchased item is independently assessed in each MRP session—regardless of specific sales orders, jobs, or product structures.

BOM explosions are counter-productive

- Isolate demand into product structures
- Force all subassemblies to be made to order
- Ignore interdependent demand—result in fragmented jobs and inefficient run sizes

Linking occurs naturally with item-based manufacturing

Supply events align with demand events naturally. One supply event can flexibly align with multiple demand events.

The Stock Status inquiry shows the destination of any item

See which jobs are pending for the item in Stock Status (available from Job Receipts and Job Schedule).



Do not attempt a simulated BOM explosion. It is incompatible with the demand-driven architecture.

MRP AT A GLANCE



Demand driven
Focus on firm demand within action windows.



Generate daily
MRP creates Jobs and POs daily to meet requirements.



Aligned supply
Jobs/POs are aligned from lead times and target dates.



Better results
Reduces shortages, overstocking, and constant revisions.



Use as designed
Follow item settings and MRP for the best outcomes.



KEY TAKEAWAY

MRP is the core of DBA's demand-driven manufacturing system. Use the system as designed to keep your plan accurate, aligned, and reliable.