

Capacity Planning and Priority Dispatch

The QMRP™ Capacity Planning/Priority Dispatch module includes programs that provide capacity planning, labor simulation, and priority dispatch functions.

The Capacity Planning programs examine all planned and released orders and calculate the load for each work center based on routings and completion status. The key reports provided are the capacity load summary report and the detailed work center load report. Congested work centers are indicated on the summary load report; the detail load report can then be analyzed to address congestion.

Other programs within this module allow the user to produce simulations of solutions for resolving work center congestion. These include load-leveling and order simulation processing for "what-if" scenarios.

The Priority Dispatch function assigns priorities to released manufacturing orders based on available time to complete the various manufacturing operations.

Highlights:

- Capacity planning is fully-integrated with planned and released orders.
- Comprehensive capacity planning inquiries and reports are provided.
- Calculates both machine and labor capacity, actual and cumulative.
- Capacity requirements pegging is included in planning reports.
- Planning horizon extends up to 52 weeks into the future.
- Load profile and pegging inquiries provide on-line display of capacity data in a graphical format.
- Rough-cut capacity planning is integrated with the master schedule and finished goods plan.
- Simulation programs provide "what-if" capabilities.
- Priority dispatch criteria include critical ratio, start date, and management priority.
- Management priority override is provided.
- Order priority status inquiries are available.
- Priority Dispatch (on-line or hard copy) shows prioritized shop schedule by work center and machine.



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