

Repetitive Manufacturing

Optimize high-volume or continuous-flow production with rate-based scheduling

High-volume or continuous-flow production requires a very flexible scheduling system. The GLOVIA G2 Repetitive Manufacturing application satisfies this requirement by providing the means to control production without the use of cumbersome work orders.

A Flexible Scheduling System

Repetitive Manufacturing gives you the flexibility to adjust repetitive production schedules as often as necessary and with minimal user intervention. The solution also takes intervening factors, such as fluctuations in production capacity and changes in demand patterns, into account, making the whole process much more efficient.

Performance Visibility

To ensure that you always have immediate visibility to actual performance, Repetitive Manufacturing keeps track of production progress. A User Grid shows status against targets by the hour. As unit completions are recorded, deviations and cumulative totals-by-period are compared to the scheduled rates and quantities, alerting you to take timely corrective action if necessary.

Just-In-Time To Optimize Inventory

Today's Just-In-Time requirements call for pull techniques to issue materials to production on an "as needed" basis. With Repetitive Manufacturing, you have all the tools you need to analyze the current net requirements by production line inventory. This allows you to commit and issue only the materials needed to sustain the scheduled production flow rate.

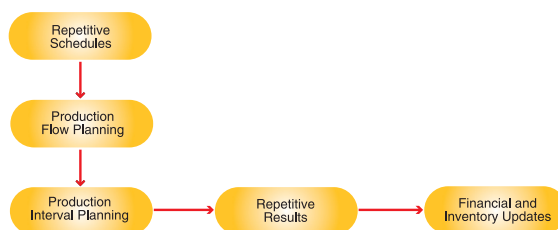
Mass Customization

Repetitive Manufacturing schedules allow you to maintain a unique bill of materials and routing for each part being manufactured. The system automatically uses the current version in effect, or you can perform an online override and create a modified version of the current bill of material and routing. You can tailor product configurations as needed to respond to current production conditions and unique customer requirements.

Outside Processing

Given the increased use of outsourcing, outside processing may very well be a part of your planned routing. Repetitive Manufacturing gives you the ability to schedule outside processing by external suppliers into your repetitive manufacturing process. This job step can be easily integrated into the repetitive line.

Repetitive Scheduling



Work-in-Process Financial Visibility

Repetitive Manufacturing gives you clear and accurate visibility into your current production investment. You have the option to have each schedule provide an online valuation of value-added costs for material, labor, machine, overhead, and outside processing operations. The total value of completed items is tracked for easy comparison against estimated costs. All transaction activity is tracked for posting and reporting to provide a complete financial view.

Repetitive Production Schedule Capabilities

- Multiple assembly schedules per production line
- System-generated or manual schedules
- Repetitive flow rate by item
- Production quantity by interval
- Multiple completion dates and quantities
- MPS and MRP computer-planned orders optionally converted
- Assembly configuration date effectivity
- Component and operation date effectivity
- One-time component substitutions
- Integrated with engineering change notices

Repetitive Production Schedule

- Schedules managed to the minute
- Standard or average cost
- Estimated cost amounts
- Schedule codes for capacity planning and shop floor control
- Floor stock item location
- Rework code and ship assignment
- Project identification
- Customer and sales order
- Next assembly and work order
- Multiple text/comment lines

Work Center Inventory Balancing

- Calculate required component inventory based on current period demand
- Store inventory committed to work centers
- Exception notices for shortages and excess material
- Pull tickets for transfer of material to work centers

Work-in-Process Transactions

- Cost collection for labor and machine hours, outside processing, and scrap
- Direct material issues
- Issue lot and serial controlled items
- Unplanned issues for lost or defective items
- Reversals for return-to-stock
- Reclaim by-product materials
- Integrated with Engineering Notices

Backflush Materials

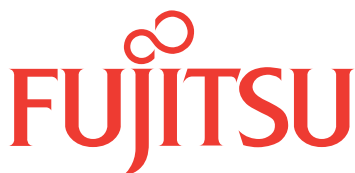
- Individual or batch backflushing capabilities
- Lot or serial controlled items directly issued

Schedule Completions

- Completed units moved to inventory or to a work order
- Lot and serial numbers assigned
- Over-building controlled by completion tolerance
- Reversal capability
- Configuration date override

Schedule Closes

- Separate manufacturing and financial close
- Reversal capability
- Review open quantities and commitments
- Shortage disposition
- Capability to close short
- Review costs and variances
- Late charges and adjustments
- Update historical cost



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