

Repetitive Manufacturing

Rate-based scheduling to optimize high-volume or continuous-flow production.

Your high-volume or continuous-flow production requires a very flexible scheduling system. The glovia.com 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 paper-work. This makes it easy to take into account changes in production capacity due to flow rates, changing demand patterns, or other intervening factors.

Performance Visibility

To ensure that you always have immediate visibility to actual performance, Repetitive Manufacturing keeps track of the production progress. 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.

JIT To Optimize Inventory

Today's Just-In-Time requirements call for use of pull techniques for issuing 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.

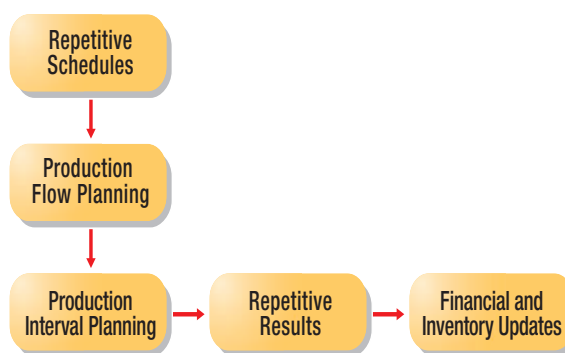
Mass Customization

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 on-line 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

Repetitive Scheduling



routing. Repetitive Manufacturing gives you the ability to schedule outside processing by external suppliers into your repetitive manufacturing process. The added job step is easily integrated into the repetitive line.

Work-in-Process Financial Visibility

Repetitive Manufacturing gives you clear and accurate visibility into your current production investment. Optionally, each schedule can provide an on-line 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 effectively
- Component and operation date effectively
- One-time component substitutions
- Integrated with ECNs

- 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

Repetitive Production Schedule

- 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

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

Work Center Inventory Balancing

Calculate required component inventory based on current period demand

- Stores inventory committed to work centers
- Exception notice 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

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

Glovia International

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