

# Work Orders

*Drive discrete manufacturing processes with a comprehensive cost and scheduling system*

glovia G2 Work Orders is the complete solution for managing all work order-related information and activities – from opening work orders and managing work-in-process transactions through coordinating and evolving your production lines.

## ***Flexible Work Orders Structure***

Work Orders gives you the flexibility you need to manage virtually any work order requirement effectively – whether you are building engineering prototypes, finished products and subassemblies, or managing an entire development project. The multiple line architecture allows you to schedule dates for multiple production runs or to build various combinations of items and/or value-added item components.

## ***Backflush Operations***

Optimal production operations often require discrete as well as repetitive manufacturing styles. Work Orders delivers the best of both worlds by allowing users to support a hybrid-manufacturing environment simultaneously, with capabilities for both discrete and repetitive backflushing.

## ***Multi-Level Material Pegging***

MRP processing logic honors full level material pegging generated by glovia G2 Project Resource Planning (PRP). This ensures that your free stock, commitments, and netting calculations display the pegging of replenishment orders to provide complete hierarchical material visibility at all levels.

## ***Robust Outside Processing***

Work Orders allows you to attach a purchase order (PO) to a work order (WO) so that completed PO items can be received back into their designated work center on the original WO routing. This simplifies the paperwork required for outside processing and provides full inventory visibility, management, and control.

## ***Complete Integration***

Work Orders is fully integrated with the rest of glovia G2 to assist with the management of your discrete manufacturing processes. All financial transaction data is available for glovia G2 General Ledger posting.

## ***Bills of Materials and Routings***

For each manufactured line item on a WO, the system provides a bill of materials (BOM) and routing. Work Orders also provides the ability to include configured items and local structure on a WO's BOM. This gives you the opportunity to use existing product versions or to tailor product configurations online in response to current production conditions or unique customer requirements. You can make changes, for example, to accommodate substitutions based on material availability, production capacity, operational methods, tooling, and customer

specifications. These unique records also provide the basis for order tracking, cost auditing, and the as-built product configuration control documentation.

### **Multiple Costing Methods**

When dealing with a range of products or projects, you need a cost collection system that is flexible, not one that is limited to a single costing method. Standard, average and actual costing variances are easily visible. Work Orders provides the flexibility to select the cost methods most appropriate to the job at hand. Cost collection and accounting methods can be based on the item being built or the type of work performed.

### **Work Order**

#### **Work-in-Process Visibility**

You always have instant and accurate visibility to your current investments in work-in-process



inventory. Each work order provides an online valuation of the materials used and value-added costs. The total value of completed items is tracked for easy comparison to the planned work order costs and accumulated detail costs. Labor and machine efficiency data is generated and all transaction activity is tracked and calculated for financial posting and reporting.

### **Work Orders Capabilities**

- Stock items built for inventory
- Non-stock items
- Non-standard one-time items
- Non-production jobs or projects
- Support of alternative configurations and processes
- Automatic calculation of start dates from lead times.
- Trial-kitting analysis
- Backflush by WO operation

- Outside processing
- Work order statuses

### **Work Order Information**

- Standard, average or estimated cost
- Floor stock issue-from location
- Rework and ship assignments
- Project identification for project accounting
- Customer and sales order
- Next assembly and work order

### **Material Commitments**

- Individual or range of commitments
- Multiple location pulls
- Lot and serial controlled items
- Phased need-by dates

### **Pick List Issues**

- Kit all items for an order with a single transaction
- Issue all items due for an order
- Post floor stock items at work order close

### **Work-in-Process Transactions**

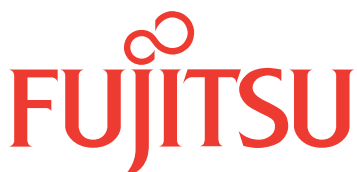
- Shop packet with bill of materials and routing information
- Labor and machine times and rates
- Outside processing activity and costs
- Direct material charges
- Scrap transactions for assembly, component, and operation
- Integration with engineering change orders

### **Work Order Completions**

- Report quantities or percentages
- Move completed goods to inventory or a work order
- Assign lot and serial numbers automatically
- Provide completion tolerances

### **Work Order Closes**

- Separate manufacturing and financial close
- Close short
- Reversal capability
- View costs and variances



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