

# Manufacturing Order Costs



PowerShift manufacturing order costing programs allow you to analyze actual manufacturing costs; costs are updated as each step in the process is completed. No waiting for the order to close to determine if you are on track. You choose if you want to base costing calculations on actual, average or standard costs assigned to items. Start your analysis at a manufacturing order; quickly drill to material, labor and outside services making up the order's costs.

Inventory Status Inquiry | Customer Service Inquiry | Customer AR Activity | Supply vs. Demand Report | Manufacturing Order Cost Inquiry | Manufacturing Order Cost Inquiry

CA-1 | 4.0 WVI 102511 | RCE | MJI | Manufacturing Order Cost Inquiry | 10/11/2012

Mfg order no CA-100001996 | In process | Qty ordered 5 | Released 06/15/2012  
 Parent item no J1- | 0 | Due 06/18/2012  
 Description Wal | 0 | Picked 06/15/2012  
 ECL | 0 | Completed

**Costs are calculated as they occur while work progresses**

Costs to date	Standard	Std to date	Variance	% Std
Material	400.00000	200.00000	-200.00000	50.0
Outside srv	.00000	.00000	.00000	.0
Labor	100.00000	100.00000	.00000	100.0
Labor ovhd	10.00000	10.00000	.00000	100.0
Machine ovhd	.00000	.00000	.00000	.0
Adjustments		.00000	.00000	
Totals	510.00000	310.00000	-200.00000	60.7

**Standard compared to actual costs to date**

Projected costs	To complete	Total	Standard	Variance	% Std
Material	200.00000	400.00000	400.00000	.00000	100.0
Outside srv		.00000	.00000	.00000	.0
Labor		100.00000	100.00000	.00000	100.0
Ovhd		10.00000	10.00000	.00000	100.0
Totals		510.00000	510.00000	.00000	100.0

**Drills provide details of each cost element**

Oper	Accum lbr	OH	Accum mach OH	Accum setup	Accum oth cost	Accum OS serv	Accum rwrk cost
010	50.00000		5.00000	.00000	.00000	.00000	.00000
020	50.00000		5.00000	.00000	.00000	.00000	.00000
	100.00000		10.00000	.00000	.00000	.00000	

Comp item no	Qty required	Qty picked	Ext standard cost	Cost to date	Ext spec purch cost	Material total
1-R	5	5	100.00000	100.00000	.00000	100.00000
1-S	5	5	50.00000	50.00000	.00000	50.00000
LOT/WH/BIN	25	5	250.00000	50.00000	.00000	50.00000
			400.00000	200.00000	.00000	200.00000

Picks | Receipts | Supply | Demand | User fields | Print | Exit  
 Options | Jump | Notes | Materials | Matl/OS | WIP status | Adjustments | Labor

## Manufacturing Orders

- Tracks the costs of material, labor, overhead, purchases, and adjustments for each manufacturing order as they occur.
- Material costs are based on the parent item's bill of material at order release.
- Add or delete a component, change the quantity required, over pick, under pick and close short, or substitute one component for another.
- Picking updates material costs to date.
- For material costs incurred to date, you choose the costing method for the variance calculation. Options include standard cost, actual cost or average cost Creates requisitions or purchase orders for outside services.
- If a purchase order for material is linked to a manufacturing order, the cost is added to the order's material cost.

## Alternate Operations

- If you select an alternate operation at order release, you can recalculate the order's standard costs.
- If you select an alternate operation later, the change is used to calculate the cost-to-date and the variance from standard.

## System-wide Features

- Standardized user interface is easy to learn; accepts point-and-click or keyboard input.
- Lookups speed record or order retrieval; sort the way you want and use the Restart or Find functions to locate the record you need.
- Each user can set and save sort and selection options for reports and inquiries, reducing the need for custom reports and programming.
- Output data to a printer, e-mail, fax, PDF, EDI, or Microsoft Excel.
- Information is accessible with pop-up windows, drill downs, and jumps to related programs, reducing the need to switch screens.
- PowerShift's Data Dictionary supports ODBC, Report Generator, and QICLOOK™.

## Standard Reports and Inquiries

Component Cost Inquiry  
 Component Usage Report  
 Cost-Rollup Inquiry  
 Cost of Goods Sold Report  
 Daily Production Report  
 Employee Labor History Inquiry  
 Employee Listing  
 Indirect Labor Distribution Listing  
 Item Cost Change Inquiry  
 Item Cost Inquiry  
 Inventory Cost Change History Inquiry  
 Inventory Cost Variance Report  
 Inventory Usage Report  
 Inventory Valuation for Make Items  
 Labor Distribution Preview Report  
 Labor Efficiency Report  
 Labor Import Transfer Log  
 Manufacturing Cost Adjustments Inquiry  
 Manufacturing Labor Inquiry and Listing  
 Manufacturing Order Analysis Inquiry  
 Manufacturing Order Close Preview Report  
 Manufacturing Order Cost History Inquiry  
 Manufacturing Order Cost Detail Report  
 Manufacturing Order Cost Inquiry  
 Manufacturing Order Cost Report  
 Manufacturing Order Picking inquiry  
 Manufacturing Period Activity  
 Manufacturing-Purchase Order Inquiry  
 Material Usage Inquiry  
 Multi-Level Cost Report  
 Project BOM Listing  
 Project Indented Cost Report  
 Project Routing Listing  
 Project Summary  
 Rate Exception Listing  
 Routing Inquiry and Listing  
 Single-Level Accumulated Cost Inquiry  
 Supply-Demand Valuation Report  
 Weekly Production Report  
 WIP Cost Inquiry  
 WIP Inquiry and Listing  
 WIP Labor Report  
 WIP Movement Inquiry  
 WIP Valuation Report and Inquiry  
 Work Center Inquiry and Listing

## Registers

Post to general ledger in summary or detail or use transaction listing to post manually:

- Labor Entry
- Manufacturing Cost Adjustments
- Manufacturing Order Close
- Manufacturing Order Picking
- Manufacturing Order Receipt
- Rejected Material Disposition
- WIP

## Work In Process

- Choose between tracking labor costs based on the item's operations (standard cost) or recording actual hours worked.
- If you track labor at standard cost, enter the quantity completed for a significant operation sequence and PowerShift backflushes previous steps.
- Manufacturing order receipt can backflush setup, labor, and overhead at standard cost for all operation sequences.
- If you activate the general ledger interface, the WIP Register can update separate accounts for material, special purchase material, labor, outside service, overhead, and adjustments.

## Labor

- Employee labor can be entered manually from job tickets, collected with bar code scanners as work is completed on the manufacturing floor, or imported from third-party labor applications.
- Labor cost can be calculated as hours worked, using either the labor rate for the operation or the employee's actual rate with or without overtime.
- If you activate the general ledger interface, the labor register posts labor and overhead charges based on the accounts or criteria you designate.
- Indirect labor codes facilitate posting to specific accounts based on the type of work performed.
- Employees responsible for the production of multiple unattended operations can have their time allocated based on the number of jobs being run simultaneously.

## Adjustments

- Adjustments can be made at any time before the order is closed, including after items are received to stock.
- Adjustment codes can track the reason adjustments were made for later analysis and can be used to determine postings to general ledger accounts.

## Manufacturing Order Close

- PowerShift can update the item's actual cost and recalculate its average cost when you close a manufacturing order.
- If you activate the general ledger interface, PowerShift calculates the variance when the material used or labor costs differ from standard.

## Projects

- Rapidly develop cost estimates for a new or revised finished good item for a customer or for your engineering department.
- Define standard fixed amounts or percents to be added to material, labor, total factory cost, or the price; override if necessary for specific projects.
- Enter multiple quantity estimates, using the same or different profit, commission, and discount percents.
- When the project is signed off, transfer the data, which adds the item, its bill of material, routing, standard costs, and vendor pricing to your database.
- When a customer project is signed off, a sales quote can be created for the agreed upon quantity and price.
- Output multiple copies of customer project estimates, using each recipient's preferred method (e-mail, fax, EDI)—automatically or on demand.

## History

- PowerShift retains complete manufacturing order history.
- Reports and inquiries can include material, labor, and adjustment detail for closed orders.