

ComEdge Manufacturing



The **COMEDGE ENTERPRISE MANUFACTURING SUITE** gives you the strategic edge you need in today's competitive manufacturing environment without the complexities, delays and high cost of many other software packages. Designed for make-to-order, job shop and custom manufacturers, as well as make-to-stock, and mixed mode manufacturing, **COMEDGE** provides the shop management tools you need to quickly and easily streamline your manufacturing process, improve your on-time fulfillment rate, reduce costs and provide a solid footing for growth.

Bill of Materials and Routings

The Bill of Materials functions make it easy to define each of your products while the Routing functions track and can pinpoint a product anywhere along the production cycle. Complex algorithms use live data to compute multi-level cost roll-ups of material, labor, and burden instantly. A wide selection of reports, such as bill of material explosions, implosions and pick lists, and engineering changes, constantly fuel management with real-time data they can use. You can even generate reports that show all subassemblies of an item, drilling down to the lowest component level of the product structure.

- Multi-level Bills of Materials
- Supports Transient Bills of Material
- Component Level Scrap Factor
- Work Center Support Fixed and Variable Overhead Rates
- Alternate Operation Capability
- Assembly Bills of Material Inquiries with component drill down
- Labor/Costed Routing Inquiries
- Full Bill of Material and Costed Reporting
- Component level indexing

Product Costing

Accurately matching expenses with manufactured products requires huge amounts of data that can only be collected through a tightly integrated solution. Proven business logic has been incorporated into the **COMEDGE ENTERPRISE MANUFACTURING SUITE** to maintain and report both fiscal standard cost and current standard costs of materials, labor, setup, variable overhead and fixed overhead expenses. Years of careful planning and attention to detail have yielded detailed, real-time reports and inquiries that show the true costs involved with manufacturing.

- Cost Build-up of Separate Cost Elements
- Provides Costed Bills and Routings
- Maintains Part Master and Work Center Cost Information
- Detailed Standard Cost Reporting
- Work-In-Progress Evaluation
- Inventory Evaluation Analysis
- Multiple Variance Reports

Leading-edge solutions, proven methodologies and first class service.
ComEdge Enterprise Solutions

Shop Floor Control

Through specialized programs and functions, **COMEDGE** gives you constant feedback on the work-in-process and lets you make adjustments to your manufacturing plans. Every work order is tracked through the factory so that you always know the status of the labor and material issued to each order. Actual machine and labor hours at each work center are recorded by employee, work order, and operation, which can be compared to established labor standards. Reports and inquiries show production overloads and inefficiencies, as well as standard cost versus actual expenses on an individual work order basis.

- Labor Distribution by Work Order or Employee
- Work-In-Process Visibility for Material, Labor and Completions
- Labor Utilization
- Production Backlog Reporting
- Released and Firm Planned Orders
- Priority Dispatch/Manufacturing Schedules
- EOQ Generator
- Rework Orders
- Lead Time Generator
- Open Order and Labor Transaction Details
- Manufacturing Order Status
- Material Availability Auditing
- Material Requisitions
- Labor Efficiency by Employee and Labor Transaction

Shop and Inventory Costing

Using data accumulated from Shop Floor Control and Inventory Control, periodic reports reconcile dollar balances between accounting periods and period end journal entries. Shop and Inventory Costing reports summarize dollar values of inventory flow into the stockroom, to work-in-progress, back to the stockroom and then to cost of goods sold.

- Month End Detail and Summary Cost Data
- Detail Inventory Movement
- Order Variance
- Labor Dollars Consumed

Manufacturing Inventory Control

COMEDGE Inventory Control uses a perpetual inventory system to carefully log and track each issue and receipt of inventory - as it happens - for quick analysis. Physical inventory and ABC analysis features are included, so incremental, accurate cycle counts of expensive or often-used items can be done throughout the year, often reducing or even eliminating the need for work-disrupting annual counts. If physical counts are necessary, any variances between the actual counts and the system's recorded on-hand balances can be calculated and printed for review. They are then posted into the system to ensure the system's inventory balances match.

- Floor Stock / Point of Use Storage
- Multiple Locations Supported
- ABC Inventory Analysis
- Material and Inventory Detail Transactions
- Sales / Usage Composite
- Stock Status
- Lead Time Generator
- Indented "What If" Material Availability
- Anticipated Annual Usage Preparation List

Physical Inventory Management

Whether you choose annual physical inventory or cycle counting or both, Physical Inventory Management gives you the options and flexibility. The management tools provide control and options to maintain accurate and current inventory levels. These options give you the flexibility to choose what needs to be counted and how often the count should be taken.

- Cycle counting or physical inventory reconciliation
- Variance valuation analysis
- Count selection
- Printing of hard copy tags or count sheets
- Count reports by item or tag number

Master Production Scheduling (MPS)

Working hand in hand with MRP, the Master Production Schedule (MPS) module translates your business plan into a production plan using firm planned orders in a true multi-level, optional component-scheduling environment. MPS coordinates all scheduling activities and drives MRP as well as the entire production and inventory system. With the **COMEDGE ENTERPRISE MANUFACTURING SUITE** Master Production Schedule driving the manufacturing process, you can avoid shortages, costly expediting, last minute rescheduling, and inefficient allocation of resources.

- Uses Actual Requirement Dates
- Allows for Planning Bills
- Automatically Reduced by Shipments
- Can consist of Forecast and/or Customer Requirements
- Master Schedule Update, List, and Dollar Value Reports
- Master Schedule Inquiries by Date and Part Number

Capacity Requirements Planning (CRP)

An overused work center creates obvious problems: backup and delays, unanticipated and costly overtime, and loss of quality due to production pressures. After analyzing the load across work centers, complex functions analyze the MRP schedule and compare it against the current capacity of each work center. Using these inquiries, **COMEDGE** provides suggestions to allow loads to be time phased across work centers using lead times from standard or routing operation files.

- Time Phased Machine and Labor Load
- Work Center Load Reports
- Order Load Summary by Work Center
- Capacity exception reporting

Material Requirements Planning (MRP)

COMEDGE Material Requirements Planning module balances supply (inventory, purchase orders, work orders) against demand (sales orders and forecasts) to provide time-phased material requirements planning. The system subtracts any parts or products already in finished goods, work-in-process, raw materials, or those with open orders. MRP prints out accurate, concise reports telling you exactly what to make, what to buy, when to make it, when to buy it, and how much it will all cost. Through detailed "make and buy" reports, you will know exactly what you need to do to meet your ship dates, taking the guesswork out of your manufacturing processes.

- Time-Phased Material Planning
- Requirements and Demand Pegging
- Full Material Requirements Planning or Gross Only
- Demand Forecast Integration
- Unlimited Number of MRP Planning Periods within 5-year Calendar
- Material Requirement Planning Display and Reports
- Shrinkage and Scrap Factor Accommodation
- MRP Summary Reports
- Multiple Order Planning Policies Supported

For more information about **COMEDGE ENTERPRISE SOLUTIONS**, please contact

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