

# Production Management

The eMIS Production Management System is a unique blend of the latest concepts to control and monitor activity as it flows through your Shop Floor environment. Depending on your specific requirements, the Production Management System centers around four functional areas to present a complete solution. These areas include Operational Routing, Work Order Management, Capacity Requirements Planning, and Performance Measurement. Operational Routing allows you to establish paths for your production flow along with the ability to define standard machine-hour and man-hour requirements. Within the Work Order System, Work Orders are produced and monitored throughout the actual Manufacturing process. The Capacity Requirements Planning module keeps you informed about available capacity. Finally, the Performance Measurement System tells you how you are doing. Use of these functions provides you with continuous, current information that will increase productivity and contribute directly to the bottom line.

ESI/  
Technologies

## **Features:**

- Work Orders can be defined as repetitive, make-to-stock, make-to-order, custom, etc.
- Allows for deviations from the Standard Routing for one-time changes in capacity.
- Supports machine-hour and man-hour standards using Labor Grades and Burden Rates by operation for both Set-up and Production with Effectivity Date capability.
- Permits copy logic for the setting up of Operational Routing information.
- Material used on Work Orders can be split between Operations.
- Interfaces and integrates with a variety of data capturing devices.
- Maintains a complete history of Work Order information.
- A Shop Calendar allows for the calculation of feasible due dates.
  
- System can monitor both employee performance and departmental performance.
- Automatically determines and informs you when Work Orders are due to be released.
  
- All Work-in-Process is identified and automatically reported back to the eMIS General Ledger.
- Burden Rates can be expressed in several different ways, and they can be "mass updated" at any time.
- Allows for general instructions or other explanatory text, which can be entered from user-maintained Standard Instruction Records.
- Permits Operational Routings that are specific for specific Warehouses (or locations) or general for all Warehouses (or locations).
- User can create "crews" of Production personnel responsible for making a product or completing a process. User can also account for Production work completed by Outside Vendors.
- The reporting of Scrap and Rework as well as the reporting of time against Production using Time Cards is available in the system.
- Four different costing methods are available to track material and labor through the production process.

## **Benefits:**

- Full flexibility to accommodate your specific production environment.
- If machines are down or overloaded, activity can be re-routed to alternate operations.
- Use of standards makes the setting up, maintaining, and monitoring of operational information easy.
  
- The user can use existing Routing information to expedite the entry of new Routings.
- The user does not have to wait until all work is completed on one Operation.
- Data can be captured in numerous ways such as Bar Code Readers and Special Terminals.
- Valuable historical information from past Work Orders is available in the system.
- Using information stored in the system, you can simulate activity with precise delivery dates for presentation to Sales and Marketing long before Production begins.
- User can identify and understand variations between actual costs and estimated costs while there is still time to do something about it.
- Improves factory input/output control with the timely release of a "firm" order. Reduces Work-in-Process, as well as clutter and confusion on the Shop Floor, and saves money.
- All eMIS packages are completely integrated, and there are no gaps in the control of Work-in-Process Inventory.
- Maximum system flexibility is available for the user to account for the effect of overhead on the cost of a product.
- Reduces communication errors and makes data entry easier.
  
- System flexibility to accommodate unusual situations.
- User can track Production using more than one technique.
  
- The eMIS Production Management System accounts for all aspects of the Production process.
- Maximum system flexibility is available for the user to track material and labor.