

Manufacturing Execution System

The Manufacturing Execution System is an easy-to-use, online system that allows labor and inventory transactions to be entered while work is done on the shop floor. Transaction entry is straightforward and rapid with the use of touch-screen, light-pen or bar coding technology.

The Manufacturing Execution System provides accurate labor reporting, a vital concern in job costing and job status. Online transaction tracking gives management a current picture of what is occurring on the shop floor by employee and job.

Integration with Job Management and Scheduling eliminates dual entry and provides online, real-time views of the latest shop floor scheduling priorities. In addition, integrated multimedia with the Manufacturing Execution System incorporates scanned images, CAD/CAM drawings and even video operating instructions.

FLEXIBLE DATA ENTRY TECHNOLOGY

Use touch-screen, mouse, light-pen, bar code, or keyboard interface to update labor information from the shop floor. Eliminate data entry mistakes and increase transaction speed by simply scanning a bar code tag to complete an entire transaction.

MULTIMEDIA

Incorporate employee pictures, part drawings or even video instructions on how to perform an operation.

WORK QUEUE

Provide employees with prioritized work schedules and make information directly available to the shop floor.

MULTI-LANGUAGE

Display the Manufacturing Execution System screens in the user's primary language.

DISTRIBUTED HOURS

Automatically split labor hours across multiple jobs being worked on simultaneously by an employee. Likewise, split machine hours when two or more employees work on the same job.

SECURITY

Ensure that only the right employees are able to update inventory information, including requesting material and reporting pieces.

EDIT/CORRECTIVE ACTION

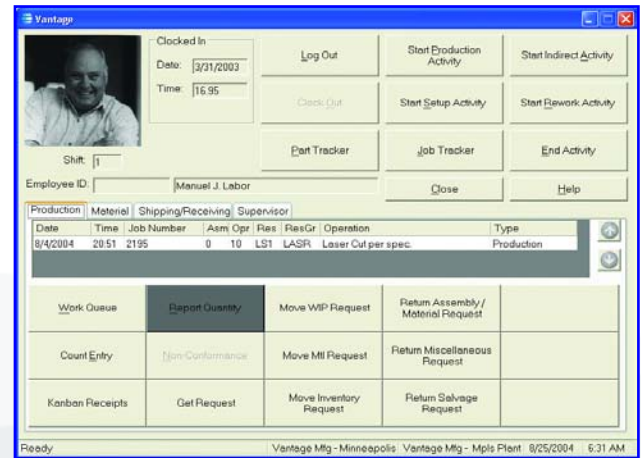
Direct management attention to potential errors with the labor edit list, including online reversing capability to correct any discrepancy.

QUALITY REPORTING

Capture rework and scrap reason codes, along with miscellaneous employee comments from the shop floor.

QUALITY TRANSACTIONS

Use the Quality Assurance options to report setup inspection, first article, piece counts, and more.



Automatically collect and report on the real-time status of jobs on the shop floor.

GRACE PERIODS/MULTIPLE SHIFTS

Manage clock-in and clock-out periods with adjustments made for user-defined grace periods. Accommodate split and staggered shifts.

ONLINE

Automatically update job costing, scheduling and job tracker functions immediately.

ONLINE INQUIRY

Access job locations in real-time for prompt customer service and early identification of problem jobs.

SHOP TRACKER

Access who is here, who is not here, current work center activity, as well as user-defined alert conditions from the shop floor.

MATERIAL MANAGEMENT

In combination with Advanced Material Management, improve control and visibility of raw materials and work in process as it travels throughout the enterprise:

- Request raw materials or WIP to be moved into the materials handler's queue.
- Display all WIP parts buffered in front of the work center with ability to zoom into container detail.
- Report pieces to good, scrap and nonconforming product from one screen.
- Use the online queue of raw material and WIP parts to manage requests to locate and deliver the right parts to the correct work center at the appropriate time.
- Move WIP parts into inventory storage locations or stage WIP at the next work center based on available space and time.
- Quickly and accurately identify WIP and inventory containers with system generated bar codes.