



Scheduling

Advanced planning and scheduling optimizes production throughput on your shop floor. COSS gets jobs onto the floor and completed in the most efficient way, based on due dates, priorities, resources, and capacities. The underlying methodologies minimize the amount of manipulation needed after schedules are run, yet provide the flexibility needed to handle critical jobs and shifting customer priorities. Seamless links to material planning, Auto PO generation, and real-time updates from the shop floor further streamline activities and improve productivity.

FEATURES

- Schedules material and operations, providing a true Advanced Planning System.
- Finite resource forward scheduler with alternate routing allows for conflict and bottleneck resolution. It provides true capacity scheduling from the department/class level, featuring a three-shift, seven-day capacity matrix.
- Individual tasks can be set for parallel, non-critical parallel, and pure sequential processing to accommodate discrete and cellular manufacturing, as well as processes such as inline inspection.
- Material planning and requirements are set based on schedule and vendor lead times. Auto PO generation with scheduling input provides an efficient way to order materials when they are required on the floor.
- Multi-level scheduler with material lead-time evaluation provides an efficient route for all components rolling up into the master part.
- Graphic schedule representation with Gantt charts and surface model load charts offer selectable views by work center, department, or the entire company.
- Exception reporting is provided for late and tight job deliveries.
- Interface with MS Project is included for special project management or for reporting to customers using this standard.

Data Collection & Barcoding

COSS Manufacturing Software provides access to vital information through its data collection module. As a tool for improving work flow and monitoring a wide range of manufacturing information, data collection provides the company with a means to respond to customers instantly. COSS delivers the feedback you need to run your business effectively in a competitive marketplace. Quick and accurate information about jobs on the floor are delivered in real time, providing manufacturing with costing, scheduling and customer service status information. This up-to-the-instant data can be used to improve performance at the core of your business. Included with the data collection module is a full-fledged time and attendance package that provides instant access to employee information. The time and attendance package is designed to allow for flex shifts, automatic downloads to the payroll module, plus many human resource reports.

FEATURES

- Real-time updates of job status and job history include actual logged time.
- Data feeds into job costing, scheduling, and time and attendance directly from the shop floor.
- Subcontracts/outside operations can be monitored along with estimated return date and all vendor information.
- Payroll hours can be generated off the floor and automatically downloaded into internal payroll systems or external payroll services like Ceridian and ADP.
- Discrepancy reports can be produced for all employees who have a difference between job hours and payroll hours.
- Simultaneous machine time can be tracked along with set-up and run times and quantities tracked from the shop floor.
- Machine times and costing can be calculated for unattended machines.
- Company-wide messages can be sent to the shop via the barcoding stations.
- Employee-specific messaging provides an instant communication stream to employees.
- Lot and serial control at the barcoding stations provides traceability of the heat number assigned to a particular job.
- Scannerless software has been designed for loading on machines that run a Windows platform.