

Manufacturing Execution System (MES)

Manufacturing Execution Systems provide comprehensive coverage for every department within a manufacturer.

Plex Online's comprehensive Manufacturing Execution System (MES) functions in a simple, easy-to-use interface for use by shop floor personnel. Manufacturers gain a real-time picture of their entire production process, with built-in support for mobile/wireless handheld units; and built-in integration with machine PLCs, weigh scales, packaging machines, and other equipment.

Customizable Barcode Labeling

Plex Online barcoding systems track containers or individual parts on the factory floor using hand-held pocket PCs. Containers or parts are scanned as they move around the shop floor for highly accurate, real-time inventory data. The system provides a constantly updated library of pre-formatted barcode label formats supporting industry and OEM standards for most manufacturing industries. Plex Online supports other label formats.



Flexible Engineering Tools

Integrated engineering modules control parts, engineering changes, process routings, bills of material, and more. In addition to the standard engineering modules, the system supports special information pertaining to the individual manufacturer's specific processes.

Labor/Time Tracking

The labor tracking module of Plex Online tracks both direct labor and indirect labor activity, including the employee, activity, machine, part, operation, project, date, time and hours. This module is fully integrated with the Timeclock screens, the control panel, tool manufacturing system, maintenance system and other modules.



#1 Rated ERP Solution for Manufacturers

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PLC/Machine Integration

Most manufacturers have Programmable Logic Controllers (PLCs) on their machines and equipment to control and monitor production, but few have learned to take advantage of the raw data the PLC collects. The Plex Online PLC/machine integration module seamlessly links Plex Online information and your production machines to take full advantage of its PLC-equipped machines and better manage production.

Preventive Maintenance Management Tools

Plex Online's comprehensive maintenance module includes user-definable attributes, checklists, maintenance request and approval functionality, preventive maintenance, spare parts management, MRO, and more. Automatically schedule preventative maintenance by hours, days, or number of production hits or pieces produced. Plex Online allows the manufacturer to define specific machine parameters and to graph and review data over time for predictive maintenance.

Production Scheduling

Plex Online supports both push and pull scheduling with tools such as material requirements planning (MRP) production requirements planning (PRP), visual sequence board production scheduling, electronic pull scheduler, electronic Kanban scheduling, card-based Kanban scheduling and capacity planning.

Comprehensive Quality Management Support

Consisting of more than 40 interrelated quality modules, Plex Online provides real, measurable benefits to a manufacturer's quality efforts in the form of increased process repeatability, reduced variation, increased production throughput and reduced defects. It enables a manufacturer to maintain compliance with quality standards such as ISO, QS-9000, TS-16949, AS-9100, and more. Manage corrective action reports (CARs), customer concerns, online supplier management, 8D problem-solving, and other quality issues.

Precision Traceability

Track individual parts, pieces or containers with pinpoint precision as they flow through the manufacturing process. See detailed information on production, inspection, genealogy and usage both "upstream" and "downstream" in the supply chain. Isolate quality issues at their source to prevent costly rework, warranty situations, and other problems.

Statistical Process Controls (SPCs)

Plex Online's Statistical Process Control (SPC) module collects inspection data and conducts in-process SPCs. It also handles capability studies, dock audits, part layouts, final inspection sheets, PPAP inspections, and special user-defined checks. It performs all statistical calculations and prints a variety of reports, such as histograms, averages and ranges, run charts and more. Integrated SPC links the Plex Online part specification, control plan and gauge control modules.

Automated Tool Tracking

Plex Online's complete set of integrated tool tracking modules includes a master tool list, bill of materials (BOMs), tool life analysis, serialized tracking, and more. This best-in-class system is a more efficient alternative to traditional manual tool tracking methods.



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