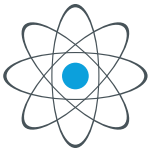




THE PLEX MANUFACTURING CLOUD

Plex Production Management

Managing the flow of inventory from planning, scheduling, production, and ultimately reporting creates complexity that challenges efficient production. Production management is a component of manufacturing execution systems (MES) that are often employed to pull everything together to improve overall production throughput. Unfortunately, all too often, disparate point solutions are used to track inventory, quality, and reporting, limiting their effectiveness. The Plex Manufacturing Cloud is a single unified solution with all of the components designed to work in unison for streamlined, error-proof shop floor control.



Production Hub

Plex Production Management acts as the central, unifying hub for all of the activities necessary to process raw materials into finished goods. Because everything was designed from scratch to work together, the unique control panel can monitor and manage the correct inventory for a particular job; provide the operator with the proper procedures and work instructions; and ensure that quality inspection procedures and measurements are conducted properly.



Real-time Data

With Plex Production Management, you have up-to-the-minute data such as schedules, jobs, and bulletins delivered in real time directly to operators and all execution data such as completed parts, inventory consumed, and waste or scrap reported are available to the business immediately — when they happen — to enable effective decision-making on up-to-date data. Plex puts appropriate ownership of data in the hands of your operators for better accuracy and accountability.



Machine Connectivity

Plex Production Management includes machine integration tools to connect to shop floor equipment wherever you need it. With direct connectivity (including wireless) to shop floor automation you capture data in real time — at the “manufacturing moment” — to eliminate errors and increase traceability and accountability. From PLCs to robots to automated inspection, Plex can manage production operations with minimal manual involvement.



“The Plex system prevents us from working on a part unless everything is set up properly, the correct raw material components are present, and all our inspections are done. I know it sounds simple and it’s common sense, but it’s a big reason why we are not making the mistakes of our competitors.”

Bytec Quality Manager

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Capabilities

- Deeply configurable and intuitive, touchscreen-enabled control panel to coordinate production execution
- Process coordination of inventory, production processes, quality control plans and more
- Eliminate paper-based processes with single, unified delivery and reporting of real-time data
- Quickly and easily deliver bi-directional communication between the plant floor and business operations
- Production tracking with reports that can provide configurable levels of detail as desired
- Workcenter tracking to capture events such as recording production, setup, maintenance and downtime
- Access to workcenter, tooling, and shift data to manage all production resources
- Plant floor controls for disassembly, heat treat and weigh scale integration
- Repeatable Job management with job sets, templates, tracking and job clock
- OEE Reporting
- Built-in support for wireless devices such as mobile barcode scanners and barcode printers for mobile tracking, shipping and receiving
- Integration with PLCs and other shop floor automation equipment to capture real-time production information
- Automatic real-time Supervisory Control And Data Acquisition (SCADA) capability to monitor and control the machines on your plant floor

The Plex Control Panel is a uniquely intuitive way for all operators to access and record up-to-the-minute production information.

