

THE PLEX SMART MANUFACTURING PLATFORM

ERP FOR DISCRETE MANUFACTURERS



A single source of truth for everyone from
your top floor to your shop floor.

PLEX MAKE
IT SMART™



BENEFITS OF PLEX ERP

Enterprise Planning and Connected Business

In a geographically distributed company, information may be spread across multiple, disconnected systems making it difficult to consolidate into a single version. With Plex you get:



- A single unified system with access to business and manufacturing intelligence, from anywhere.
- Real-time transparency and collaboration, connecting customers and suppliers in the value chain.
- Optimized master production schedule, ensuring superior manufacturing execution and timely order fulfillment.

Drive Quality from a Fully Connected Cloud

Manufacturers must deliver consistent, predictable quality. Unfortunately, traditional on-premise ERP systems often use manual quality processes that may differ from location to location, and are difficult to update in real time. With Plex you get:



- In-line quality processes that ensure measurements, standards and guidelines are automatically delivered and measured throughout the enterprise.
- Always-current SaaS cloud ERP that eliminates traditional software upgrades and maintains manufacturing quality consistency.
- Digitized auditable processes that eliminate manual tasks, ensure quality, and free up high-value employees to deliver their true potential.

Manufacturing Agility and Control

For manufacturers to keep up with fluctuating demand and price pressure from competitors, the ability to optimize inventory and production performance, while maintaining high quality, is critical. Manufacturers need operational excellence and shop floor agility. With Plex you get:



- Real-time data at “the manufacturing moment” for timely decisions.
- Closed-loop manufacturing execution system that operationalizes quality from control plan to compliance.
- End-to-end inventory visibility with high-resolution genealogy and traceability.
- Error-proofed quality execution with automatic checksheets and industry-specific compliance document templates, geared toward reducing risk.



KEY FEATURES FOR DISCRETE MANUFACTURERS

Flexible, Lean Production Practices

Kanban scheduling, heijunka load levels, and poka-yoke features.

Integral Barcoding and Printing

Capture every transaction to enable high-resolution traceability and even print customer-defined labels to streamline shipping and receiving.

Built-In Quality

Integral quality documentation using standard (ISO) practices for document authoring including FMEAs, Control Plans, and in-process checksheets for real-time SPC analysis.

Real-Time Inventory

Automated data collection for high-resolution, error-proofing, inventory tracking and traceability.

Supplier and Customer Portals

Connect the entire value chain into a single source of business knowledge by collaborating more effectively.

EDI (Included)

Conduct transactions with over 600 trading partners without an expensive add-on.

Tool Tracking

Complete tool management and maintenance to keep your facility in tip-top shape.

Real-Time Manufacturing Intelligence

Gain enterprise-wide insight into the performance of your business and manufacturing operations.

Overall Equipment Effectiveness (OEE)

OEE results for efficiency, quality, and performance are automatically captured by production interfaces.

Supply Chain Planning

Balance growth, cost, inventory, and production with real-time plant floor data to effectively forecast—and deliver on—your customer demands.

Shop Floor Integration

Connections to shop-floor PLCs and other automation included.

Wireless Connectivity

Built-in support for wireless devices and connections to shop-floor PLCs and other automation.

Planning and Scheduling

Update production schedules in real time, utilizing multiple planning methodologies.

Human Capital Management

Manage and empower your employees for productivity, control and regulatory compliance.

THE PLEX SMART MANUFACTURING PLATFORM

APPLICATIONS

With the cloud-delivered Plex Smart Manufacturing Platform, you've got options that range from stand-alone quality management to a fully integrated, end-to-end solution that will power your entire enterprise.



Plex Enterprise Resource Planning (ERP) is a full-featured, scalable, cloud-based ERP that automates front- and back-office processes, including financial management, revenue management, human capital, order management, billing, and inventory.



Plex Manufacturing Execution Suite (MES) is a comprehensive manufacturing software solution that provides real-time, paperless production management to drive enterprise-wide compliance, quality, and efficiency.



Plex DemandCaster Supply Chain Planning (SCP) combines data from multiple departments across your business to sync up demand and supply forecasting to improve inventory accuracy and production management.



Plex Quality Management System (QMS) is a cloud-based digital quality solution for manufacturers that standardizes and automates quality documentation, processes, and measurements.



Plex Industrial IoT (IIoT) combines process, operational, and machine-level data through highly visual dashboards that empower manufacturers to improve business processes and plant floor production efficiency.



Plex Manufacturing Analytics supplies preconfigured, role-based dashboards and reports that display manufacturing-specific insights using industry-standard key performance indicators (KPIs).

ABOUT PLEX

Plex Systems, Inc.[®] is the leader in cloud-delivered smart manufacturing solutions, empowering the world's manufacturers to make awesome products. Our platform gives manufacturers the ability to connect, automate, track and analyze every aspect of their business to drive transformation. The Plex Smart Manufacturing Platform includes solutions for manufacturing execution (MES), ERP, quality, supply chain planning and management, Industrial IoT and analytics to connect people, systems, machines, and supply chains, enabling them to lead with precision, efficiency and agility.