

THE PLEX SMART MANUFACTURING PLATFORM

PLEX ERP FOR AUTOMOTIVE MANUFACTURERS

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

PLEX
A ROCKWELL AUTOMATION COMPANY



BENEFITS OF PLEX ERP FOR AUTOMOTIVE MANUFACTURERS

End-to-End Business Visibility



In a globally distributed company, information may be spread across multiple, disconnected systems making it difficult to consolidate into a single version. Searching for the right information takes too many people too long and reduces the ability to make effective decisions in a timely manner. With Plex you get:

- A single system for access to business information for quick reporting — from anywhere.
- Real-time transparency up and down the value chain, connecting customers and suppliers.
- High-resolution traceability to any transaction ever entered into the system.

Manufacturing Agility and Control



The ability for manufacturers and their suppliers to optimize production while maintaining high quality is critical in keeping up with ever-changing demand and price pressure from competitors. Business systems must enable a proactive approach to respond to changes smoothly versus the business always being in reactive, fire-fighting mode. With Plex you get:

- Real-time intelligence at “the manufacturing moment” for timely decisions.
- Multiple planning methodologies to update schedules in real time.
- Integral quality to pinpoint and isolate problems immediately.
- Improved responsiveness to drive shorter cycle times and reduce scrap.

Drive Quality from a Fully Connected Cloud



Automotive 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.



KEY FEATURES FOR AUTOMOTIVE MANUFACTURERS

Flexible, Lean Production Practices

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

Real-Time Dashboards

Monitor and report on any aspect of the business from anywhere in the world.

Real-Time Inventory

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

Overall Equipment Effectiveness (OEE)

Automatically capture OEE results for efficiency, quality, and performance.

Integral Barcoding and Printing

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

Shop Floor Integration

Connect to shop-floor PLCs and other automation included.

Built-In Quality

Integral quality documentation using standard (ISO) practices for document authoring including FMEAs, control plans, and in-process check sheets for real-time SPC analysis.

Wireless Connectivity

Take advantage of built-in support for wireless device connectivity to plant-floor PLCs and other automation.

Supplier and Customer Portals

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

Hours Tracking

Automatically track employee attendance and work hours in real time to calculate accurate payroll and production cost by program or function.

EDI (Included)

Improve your supplier rating, reduce the need to expedite shipments, and increase overall customer satisfaction with fully integrated EDI.

Tooling Management and Maintenance

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

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 Analytics & 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 Automation helps you automate processes and connect the data from your machines at the plant-level to eliminate manual errors and maximize uptime.

ABOUT PLEX

Plex Systems, Inc., a Rockwell Automation company, 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.