

THE PLEX SMART MANUFACTURING PLATFORM

PLEX ERP FOR PLASTICS & RUBBER MANUFACTURERS

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



BENEFITS OF PLEX ERP

Optimized Operations with Quality

Plastics and rubber manufacturers constantly deal with the volatility of raw materials and ever-increasing price competition while delivering high-quality products efficiently.

With Plex you get:



- The ability to isolate quality problems and contain the scope of tainted products to minimize recall and non-compliance exposure.
- Mold/die management and maintenance with full tracking for better tool use.
- Attribute-based finite scheduling to minimize changeover and cleaning times.
- Embedded lot traceability to track inventory as it flows through supply chain and plant floor processes, including regrinding and mixing.

Machine Integration and Control

In a world of margin pressure, plastics and rubber manufacturers need to identify every opportunity to control inventory, optimize production and labor, and minimize waste.

With Plex you get:



- Increased productivity with a visual control panel that connects operators with everything they need.
- Optimized inventory levels to minimize excess inventory and avoid delays or disruptions caused by stockouts.
- Real-time OEE tracking and flow rate, cycle times, and other production data to measure and drive continuous improvements.

Connected Supply Chain Management

Plastics and rubber manufacturers face tough competition with shorter product lifecycles, smaller-size orders, and fluctuating demand. With Plex you get:



- Comprehensive supply chain planning functionality to better forecast demand and balance it with capacity to deliver on the promised SLA.
- Real-time reporting of inventory movement with barcoded labeling and packaging to ensure that the right material is delivered to customers.
- Cloud-based supply chain connectivity for real-time self-service capabilities through portals and greater supply chain collaboration with embedded EDI.



KEY FEATURES FOR PLASTICS & RUBBER MANUFACTURERS

Cost and Quotes Management

Use cost management that is completely embedded in every plant floor activity to deliver accurate quoting and estimating data.

Manufacturing Intelligence

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

Real-Time Inventory

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

Overall Equipment Effectiveness (OEE)

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

Integral Barcoding and Printing

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

Machine Integration

Capture data through connections to plant floor PLCs and other wireless automation devices.

Built-In Quality

Enforce completion of checksheets through a common control panel to ensure that workstations are cleaned, maintained, and prepped to industry or customer specifications.

Flexible, Lean Production

Use Kanban scheduling, heijunka load levels, and poka-yoke features. Attribute-based finite scheduling to minimize changeover and purging/cleaning times.

Supply Chain Planning

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

Advanced Traceability

Have a complete genealogy of all inventory, upstream and downstream, including tracking of materials in Gaylord boxes and shared source for silos.

Lot Management

Accurately manage and track inventory by lots as well as by individual attributes that describe inventory characteristics.

Tool Tracking

Keep your production efficient and optimized with complete tool management and maintenance.

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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 ERP 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.