Accelerating Production
Manufacturing Execution System software solutions for Automotive manufacturers
Addressing the issues

The automotive landscape is changing.

Emerging markets require manufacturers to rethink production strategies. Changing customer expectations demand the production of more vehicles in more variations than ever before – together with frequent design refreshes.

At the same time, increasingly stringent fuel-efficiency regulations, the effects of a global economy, intense competition and tightening profit margins create additional pressures.

Automotive manufacturers need to increase their manufacturing velocity, to keep pace with market demands.
Strategy, Success, Solutions

A successful acceleration strategy must incorporate three key components:

- Infrastructure
- Information visibility
- Workforce productivity

Rockwell Automation industrial automation and information solutions span the entire automotive supply chain to help manufacturers incorporate key components, address challenges, and focus on:

- Raising quality
- Reducing production costs
- Improving productivity
- Increasing responsiveness, and ultimately
- Improving time-to-customer throughout the supply chain

Rockwell Software AutoSuite information software combines the Rockwell Automation Integrated Architecture with proven automotive manufacturing information solutions to:

- Provide accurate, event-driven information about materials, operations and finished product
- Execute appropriate workflows to deliver and receive the right components, in the right quantities, at exactly the right time and place
- Achieve faster time-to-customer for the entire industry

AutoSuite and The Connected Enterprise

AutoSuite™ is an information solution which is an essential component of The Connected Enterprise.

The Connected Enterprise shares information between processes, facilities, business systems and suppliers, to:

- Shorten time-to-market
- Lower Total Cost of Ownership
- Improve asset utilization
- Drive plant-floor efficiencies
- Enhance enterprise risk management.

Enabled by integrated control and information, the Connected Enterprise delivers transformational value in productivity and global competitiveness.
Rockwell Software AutoSuite

Rockwell Software AutoSuite coalesces more than 100 years of proven Rockwell Automation Automotive innovation, experience and global support in a composite application framework that leverages a Service Oriented Architecture.

AutoSuite enables you to integrate your control and business systems across your enterprise and turn production data into actionable information.

This scalable solution, when combined with library-based content, offers personalization options that promote faster user adoption and time-to-value.

Rockwell Automation MES solutions help you synchronize manufacturing tasks, quality procedures and inventory movements throughout production.

For the automotive industry, integrating plant-floor production and ERP systems, AutoSuite™ allows manufacturers to share data and manage key quality issues from the design system through to dealership service maintenance.

Real-time information gathered throughout a vehicle’s lifetime provides timely visibility of operational performance issues – from equipment downtime to scheduling, and workload balance to operator training – to drive more efficient production and higher quality manufacturing.

The system can also be used to establish a digital genealogy for each vehicle, then track and trace it through the production process and supply chain. As a result, potential quality, safety and customer satisfaction issues can be accurately pinpointed, thoroughly investigated and quickly rectified.
Stay focused on improving quality, reducing costs, increasing responsiveness, and ultimately improving time-to-market throughout your supply chain with scalable application solutions.

Production Order Management
A scalable solution that helps address challenges associated with managing key built parameters through the production process. This can help reduce Work in Process by up to 30%. Find out more

Genealogy, Track & Trace
An application to capture critical tracking of events on a given unit or assembly, and provide real-time Work in Process visibility. Track important processes, production and quality information, to document how a product is manufactured, for quality, safety and continuous improvement initiatives. Find out more

Error Proofing
Addressing the challenges of building a product to defined specifications in an environment of continuously changing requirements. Bill of materials, work instructions and procedures come together into enforceable actions. Find out more

Operations Intelligence
The foundation for developing an agile, collaborative, pro-active decision-making environment. Collect data from disparate sources into dashboards and key performance indicators, that can help in making more informed decisions. Find out more

Quality Management
Manage key quality characteristics throughout the production process. AutoSuite™ enables the matching of process requirements, and provides additional insights for controlling specific aspects of production quality, including defects and attributes. Find out more
What makes **Rockwell Software AutoSuite** the most effective choice?

**AutoSuite** offers right first time production, reduction of on-hand inventory and inventory handling costs and supports lean and continuous improvement based on features including:

- HTML5 clients
- Industry-specific workflows and user interfaces on ProductionCentre MES
- Modularity: invest in the capability needed to support today’s key business problem
- Simple user experience and reduced IT infrastructure cost
- Premier integration that leverages existing Rockwell Automation investment
- Out-of-the-box ERP integration

**CASE STUDIES**

Mahindra Automotive demonstrates operational excellence with Rockwell Software ProductionCentre MES.

GAC Group implements Rockwell Software FactoryTalk ProductionCentre MES system for plant-wide production management and manufacturing process quality control.
AutoSuite in action

Performance Management

- Do you need to know how well your expensive capital equipment is running as designed?
- Are you losing productivity and money because of repeated downtime?
- Are there bottlenecks being created due to a few malfunctioning machines affecting overall production?
AutoSuite in action

How to buy Rockwell Automation AutoSuite

Contact us directly for sales assistance.

Production Management

- Do you know where your orders are in real time?
- Do you have visibility into production status and shop floor inventory?
- Do you know if you will make today’s target output?
- Do you need Production reports, shift transition logs, Instructions for the next shift at the push of a button?
Quality Management

- Do you want to enforce a culture of quality?
- Can you reach every operator to warn of potential issues before they occur?
- What kind of data do you collect to forewarn you of impending problems in quality before they affect production?
AutoSuite in action

Genealogy / Track & Trace
- Have you read the news on safety recalls of millions of cars?
- Is your company dealing with its effects?
- Have you participated in the effort to find a few hundred parts in a production run of a few millions?

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AutoSuite in action

Business System Integration

Would you like to do a Trial Balance Sheet and an Income Statement every day, week, or month, knowing that 12 months later when it is too late?

Our Business System Integration tools tie the manufacturing side of your plant to the business side in real time.

How to buy Rockwell Automation AutoSuite

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Working together with Rockwell Automation

Make more of your Connected Enterprise by connecting with Rockwell Automation and our partners.

- Get answers to your questions on sales, products, services and technical support. [Find out more]

- Access help to design, build and maintain your system solution through the Rockwell Automation PartnerNetwork™ of leading distributors, system integrators and others. [Find out more]

Rockwell Automation, Inc. (NYSE:ROK), the world's largest company dedicated to industrial automation, makes its customers more productive and the world more sustainable. Throughout the world, our flagship Allen-Bradley® and Rockwell Software® product brands are recognized for innovation and excellence.

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