FactoryTalk®
Production
Better manage and control production for more efficient and profitable operations
Addressing the issues

Balance production demands with cost and quality

To be successful, manufacturers must plan and control production to keep it running smoothly at required levels while meeting cost and quality objectives. They need to enforce standard manufacturing processes while continuously monitoring and evaluating production plans to adapt them to better meet cost, quality, flexibility, delivery and other objectives on the fly.

FactoryTalk Production is a scalable solution that helps manufacturers to achieve balance with an automated method of managing orders for discrete applications in complex environments. Integrated with ERP and built on a common modular framework, the application tracks order data and recipe parameters necessary for production to support end-to-end production management and enable continuous improvement.
How we can help

FactoryTalk Production and Scalable MES

Our new and expanded applications allow companies to connect, manage, validate and optimize production to achieve smart manufacturing in a scalable approach.

With FactoryTalk Production, you can address specific challenges by enforcing processes in manufacturing specifically to:

- lower structured costs
- improve productivity
- achieve a near-zero inventory system

Other scalable FactoryTalk Production Centre MES fit-for-purpose applications available include FactoryTalk Performance and FactoryTalk Quality. Start with a solution at a machine or work area and, with minimal infrastructure requirements, scale to an integrated MES solution as you realize ROI.

- **PARTS MANAGEMENT**
  Integrates with ERP and parts management systems to track order data and material consumptions throughout the build process

- **BILL OF MATERIAL**
  Manages the entire bill of material and delivers to proper stakeholders

- **EQUIPMENT INTEGRATION**
  Integrates with equipment to download and verify configuration data for each order

- **ROUTE ENFORCEMENT**
  Verifies production follows the proper route based on configurable parameters

- **CONFIGURABLE WORKFLOW**
  A process step can only begin if the system confirms the proper preceding steps are complete

- **ELECTRONIC PRODUCTION RECORD**
  Every step in production is recorded and verified quality, compliance and continuous improvement; finished goods release is automated

- **ORDER PLANNING & EXECUTION**
  Supports accuracy of each order with detailed planning as well as work instructions, label printing and operator activity verification

**Right 1st Time Production**

**Retain & Transfer Knowledge**

**Make to Demand**

**Faster Time to Market**
FactoryTalk Production

Achieve more efficient and profitable operations by managing and controlling the order process from initiation through final shipment.

- Synchronize production activities
- Improve work-instruction delivery to personnel
- Better manage material flow from warehouses and suppliers
- Sustain continuous improvement with manufacturing context for operational procedures
- Integrate genealogy reporting

Using dashboards and reports for analytics

FactoryTalk Production includes a set of reports and dashboards to help with analysis of the order process and monitoring Key Performance Indicators (KPIs). This enables receipt of scheduled orders and provides automated, real-time information for immediate Work in Process (WIP) updates such as order status, material consumption and process deviations.
See Your Production

Represent your factory graphically

To support new products or production volumes, manufacturers often need to add equipment to the plant and change material flow. Too frequently, this is a lengthy process requiring collaboration among several disciplines.

FactoryTalk Production streamlines the process by providing a graphical plant layout in which you can add equipment to the system and change material flow simply by dragging connectors and editing properties.
Build Your Workflows

Configurable user workflows

When adding equipment or balancing the workload on a line, the workflow at each piece of equipment needs to be easy to create or reconfigure. Factory Talk Production lets manufacturers create operator workflows using build plan wizards.

- To add or change a workflow, operators simply drag widgets to/around the workflow and configure properties. The workflows are flexible and can be associated with stations, processes or operators.

- Widgets are open-sourced and can be created or extended from templates, making them easy to deploy.

Drag the instruction widget into the workflow to add a work instruction task for the operator.

The work instruction is added to the workflow.
Define Your Workflows

Creating a build plan

Build plans determine which part or set of parts can be produced on a particular production line as well as the steps required to produce the part(s) on a production line. The FactoryTalk Production application provides a build plan editor to help with this.

Define what you want to build and where and how you want to build it.

Define which workflows are performed at each operator station.
We are our own customer

Implementing the FactoryTalk Production application in our own plants helped us to achieve higher manufacturing velocity, a more responsive manufacturing environment, lower structured cost and better management of risk.

**Watch the Day in the Life of a Production Order video**

**Is the FactoryTalk Production application right for you?**

What are your challenges? What are you being measured on? What’s important to you?

In the end, your main goal is to increase profitability. Ask yourself:

- How many times per week is production delayed because the right parts weren’t available at the assembling station?
- How are orders from ERP entered in your production management system?
- Is configuration data automatically downloaded and verified for each order?
- How quickly can you reconfigure your manufacturing workflows based on customer demand?
- How do you gain visibility as to where parts are in the manufacturing process?
- Can you track what you’re building through the system to demonstrate compliance and recall/rework if necessary?

**Check out a demo.**
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.

Follow ROKAutomation on Facebook, Twitter and Google Plus. Subscribe to us on Youtube. Connect with us on LinkedIn.