



# REALTIME™ PRODUCTION MONITORING

## OBJECTIVE

Optimize manufacturing performance and maintain control without leaving your desk.

## OVERVIEW

DELMIAworks' RealTime Production Monitoring takes plant management to a higher level, supporting machine management in true real-time. All aspects of production are tracked immediately as parts are being made and applied to the shop orders, automatically updating the schedule and finished product counts. The result of this embedded solution is improved efficiency, visibility and productivity. Take control of the plant floor with the RealTime Production Monitoring module from DELMIAworks.

By linking directly to your machines, RealTime can monitor discrete, cyclical and continuous operations. View work center performance from any computer on your network (even remotely) and check production as it occurs. Total parts created, production time, downtime, rejects and parts remaining to be produced are immediately monitored. Production shift reports are generated automatically, making product reporting and inventory reconciliation a simple task. If you want shop floor monitoring and ERP communication at its most accurate, RealTime is the best tool.

Now available using wireless mesh network technology and LightSticks!

The screenshot displays a software window titled 'RealTime' with a menu bar (File, View, Security, Configure, Reports, Help) and a toolbar. The main area contains a large table with multiple columns and rows of data. The cells are color-coded: green for positive values, red for negative values, and yellow for zero or specific status indicators. The table appears to be a production log or status report, with various numerical values and text entries. The interface is designed for quick visual assessment of production status.

Color-coded screens provide fast and accurate visualization of production status. A single mouse click offers quick links to initiate multiple functions.

## KEY BENEFITS

- Improve on-time machine performance
- Eliminate the need for expensive and inefficient third-party interfaces
- Increase data integrity and accuracy with automatic collection and reporting
- Lower overhead costs by eliminating manual data entry
- Reduce scrap through improved production visibility
- Ensure plant efficiency by identifying poor work center performance
- Immediately identify unscheduled downtime
- Increase communication across your facility with visibility to all connected machines from any networked workstation

*"You just can't hide from RealTime. It shows you the reality of what your production machines are really doing."*

-I-Tech

*"Our labor, as a percentage of sales, has been on a constant decline since implementing RealTime. One glance shows exactly what's running and intelligent decisions can be made regarding deployment of personnel."*

-Kaysun Corporation



## REALTIME™ PRODUCTION MONITORING: KEY FEATURES

### Automatically Monitor Operations

Connect directly to your machines and monitor production counts on operations such as stamping, molding, forming, extrusion, assembly process, etc.

### Reject Entry

User-defined codes manage rejected parts that immediately affect production counts and scheduling.

### Downtime Reporting

Instantly track up and down time and utilize customized, detailed downtime coding for analysis.

### Setup and Material Notifications

Links to scheduling provide customized notification when new materials and tool are required for new jobs.

### Document/Quality Control

Access documents, videos and pictures that are linked directly to the Bill of Material or inventory part. Initiate inspections with a single mouse click.



Overall efficiency views - with drill down to individual work centers - shows overall machine utilization, unscheduled downtime, effective cycle time and average scrap for each work cell or business unit.

### Assign Labor

Input labor to the job and work center for tracking and costing.

### Labels

Print labels manually as they are needed or automatically based on production counts.

### Multi-Part Job Handling

RealTime supports jobs that produce multiple, unique items per production cycle.

### Electronic Production Log

Enter notes and comments by date, shift, work center or BOM.

### Preventative Maintenance (PM)

Tap directly into the PM module to create maintenance work orders that are immediately available to all necessary personnel.

### Production Reporting

Report production as it occurs. RealTime also automatically generates production reports after every shift.

### Voice Alerts

Connect to your paging system or cell phones to automatically notify production personnel or shift managers of shop floor issues.

*"RealTime lets us keep our pulse on the factory floor like nothing else. We get instantaneous feedback on our critical parameters. Management has more oversight on all production activity which has resulted in significant productivity increases."*

-Preproduction Plastics

## LEARN MORE

To learn more about RealTime™ Production Monitoring or if you would like more information on the products and services from DELMIAworks, please visit [www.3ds.com/delmiaworks](http://www.3ds.com/delmiaworks).

Our **3DEXPERIENCE®** platform powers our brand applications, serving 11 industries, and provides a rich portfolio of industry solution experiences.

Dassault Systèmes, the **3DEXPERIENCE** Company, is a catalyst for human progress. We provide business and people with collaborative virtual environments to imagine sustainable innovations. By creating 'virtual experience twins' of the real world with our **3DEXPERIENCE** platform and applications, our customers push the boundaries of innovation, learning and production.

Dassault Systèmes' 20,000 employees are bringing value to more than 270,000 customers of all sizes, in all industries, in more than 140 countries. For more information, visit [www.3ds.com](http://www.3ds.com).

