



Manufacturing ERP

# IQMS Manufacturing Execution System (MES) - Exclusive

Supplement Your ERP System with Proactive, High Performance MES Software

## A leader in two-way communication between the shop floor and your ERP

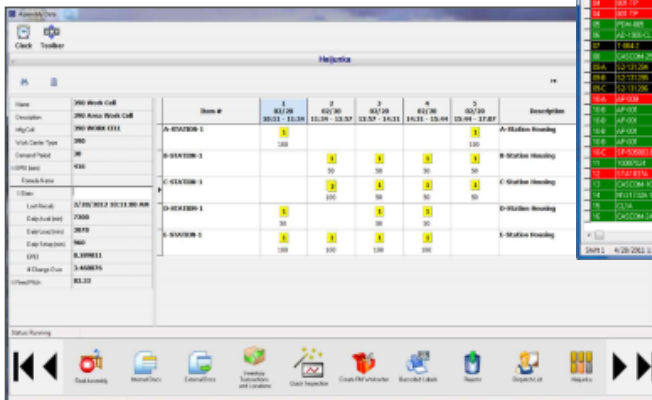
Since 1993, IQMS has been tracking and gathering detailed production data from shop floors and delivering it to manufacturing ERP systems across the nation for proactive decision making. When your ERP software lacks the functionality to deliver the data you need, IQMS can deploy its MES solution to solve your most trying production challenges.

The IQMS MES software is completely tailored to your needs. What aspects are you looking to manage? Preventative maintenance, production and process monitoring, SPC, quality, document control, lot traceability, sales orders, inventory? You decide.

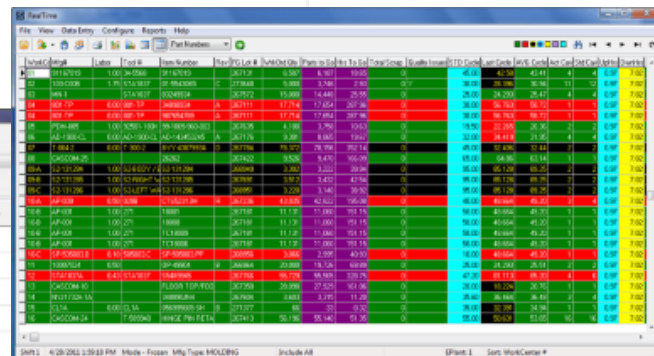
IQMS' robust MES software can be tailored for customer-specific requirements and interface with your ERP software to integrate the critical data. It doesn't matter if you have a single facility or multiple global facilities—through proprietary IQMS data sharing tools, necessary information from your shop floor will be passed back and forth between your ERP system and our MES software to help you succeed.

## Benefits

- Reduce production errors with real-time machine monitoring
- Decrease product lead time with a robust scheduling program
- Increase company-wide productivity and encourage employee accountability
- Improve quality compliance and reduce quality losses with a comprehensive suite of quality modules
- Increase production throughput while controlling costs
- Gain visibility into every aspect of your manufacturing



Pictured at Left: Maintain lean practices with an automated iKanban-based load leveling Heijunka Box module.



Pictured Above: IQMS' RealTime Production Monitoring module tracks all aspects of your part production in real time, including total part s, downtime, rejects and parts remaining.

# IQMS Manufacturing Execution System (MES)

## MES Tools

**RealTime™ Production Monitoring-** Track all aspects of your product production in real time, including total products created, production time, downtime, rejects and products remaining, for optimal manufacturing performance.

**RealTime™ Process Monitoring-** Immediately capture, view and analyze unlimited process data parameters, such as item numbers, work center details, lot numbers and dates and times as production is occurring.

**Advanced Planning and Scheduling-** IQMS' robust, detailed scheduling program takes into account every aspect of your business, from inventory availability to machine maintenance, to ensure timely delivery of products to your customers.

**Overall Equipment Efficiency (OEE)-** Evaluate the manufacturing productivity of a work center or process based on availability, performance and quality.

**Quality Management-** Cost effectively manage quality challenges while streamlining operations with IQMS' in-depth suite of quality tools, including ECO/ECN, CAR/CAPA and document control.

**Material Resource Planning (MRP)-** Taking into account both purchasing and production, the MRP engine spans the entire enterprise for accurate material need forecasting.

**Heijunka Box and Kanban-** Maintain lean practices with an automated Kanban-based load leveling module based on Every Part Every Interval (EPEI) calculations.

**Business Activity Monitoring-** Automatically receive event-based notifications through email, text or voice alert wherever you are for proactive decision making.

**Business and Manufacturing Intelligence-** Through reports, email alerts, advanced analytics, dashboards and KPIs, identify profitable and unprofitable areas throughout your business.

**Mobile Apps-** Based on native Android technology, IQMS' mobile applications offer all the tools you need to manage your shop floor while on the go—from a tablet, smart phone or the RTStation.

**RTStation-** A rugged touch screen device that becomes an IQMS user interface at each shop floor work center, the RTStation is designed for easy data input and operator feedback.

**Statistical Process Control (SPC)-** Key in critical data or input automatically from serial devices. Access and evaluate data while machines operate with real-time control charts. Supported charts include X-bar-R, X-MR, p-np and histograms as well as capability analysis with Cpk and Ppk.

**Automation-** Do you have a process that, if automated, could save you time and money? IQMS' unique Automation Department is ready and waiting to accept and develop your automation ideas.