

# Enterprise Manufacturing Intelligence

## RealTime™ Process Monitoring for EnterpriseIQ

### Correlate Process Parameters of a Part in Real Time

With IQMS' Enterprise Manufacturing Intelligence module, process data parameters can be captured, viewed and analyzed in real time. Automatically receive data directly from a device as the parts are being produced and maintain all the data necessary for accurate traceability: item number, work order details, manufacturing number, lot number, date and time. An increase in the visibility of the finished good encourages everyone to be involved in the quality process.

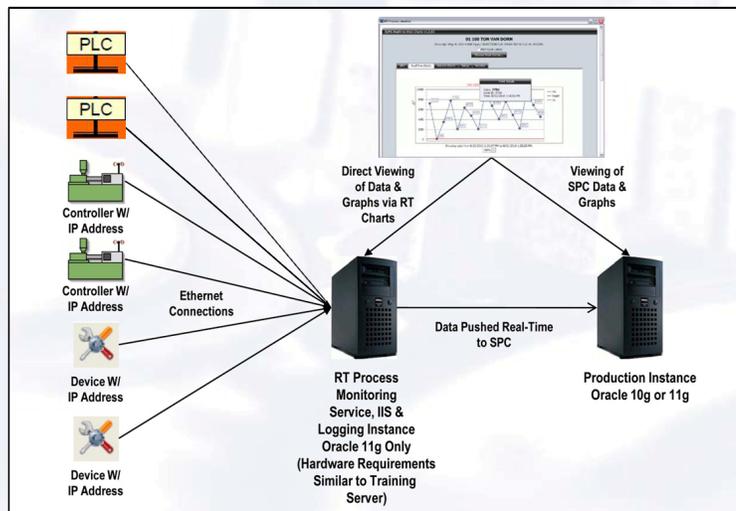
Through the RealTime™ system, data is pushed or pulled into EnterpriseIQ and can be viewed dynamically with functional RTCharts through Smart Page or a web browser, in your ShopData module or through your smartphone or handheld tablet. The RealTime™ system will also push the information from your data historian directly into IQMS' Statistical Process Control (SPC) module, allowing for further calculations and detailed analysis of your data. SPC's real time warnings telling you when a part is trending out of specification, helping you to be proactive instead of reactive!

IQMS' Enterprise Manufacturing Intelligence module is developed to operate intimately with the EnterpriseIQ ERP system, giving manufacturers accurate traceability and the capability to correlate process parameters of a part in real time.

### BENEFITS

- Maintain accurate data required for traceability
- View data in a multitude of charts and gauges
- Collect data from non-scheduled devices
- Download and upload machine setup parameters
- Print labels at the work station with process parameters for accurate traceability
- Roll data into the SPC module for further calculations and analysis
- Maintain system security while capturing data with a direct link to EnterpriseIQ

RealTime™ machine monitors capture data directly from your work centers and automatically log it into the EnterpriseIQ database. View the accurate date easily through RTCharts.



*"IQMS' Enterprise Manufacturing Intelligence is the ultimate in traceability, reliability, accuracy and efficiency. With processing now being measured down to the cycle count, we can actually label our cartons with the cycles that created the product inside providing instant traceability. The accuracy and efficiency gained by interfacing with the entire EnterpriseIQ product guarantees our inventory will be more accurate on a timelier basis than ever before."*

-Atek

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## Key Features

**Monitor Non-Scheduled Devices** - In addition to monitoring specific parameters based on work centers, the Enterprise Manufacturing Intelligence module allows for data collection from non-scheduled devices.

**Historic Data** - View historic data from past jobs, not just what is currently occurring at your work centers, for increased analysis of work center performance.

**Data Point Details** - Mouse over a data point to pop up details, such as the value of the data point, the cycle ID for traceability and a date and time stamp.

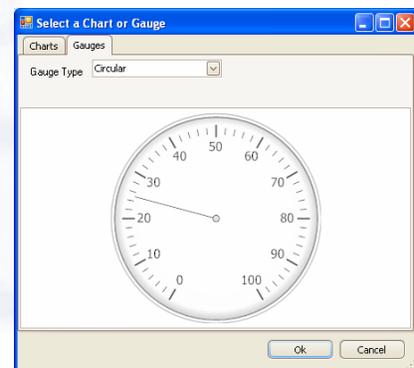
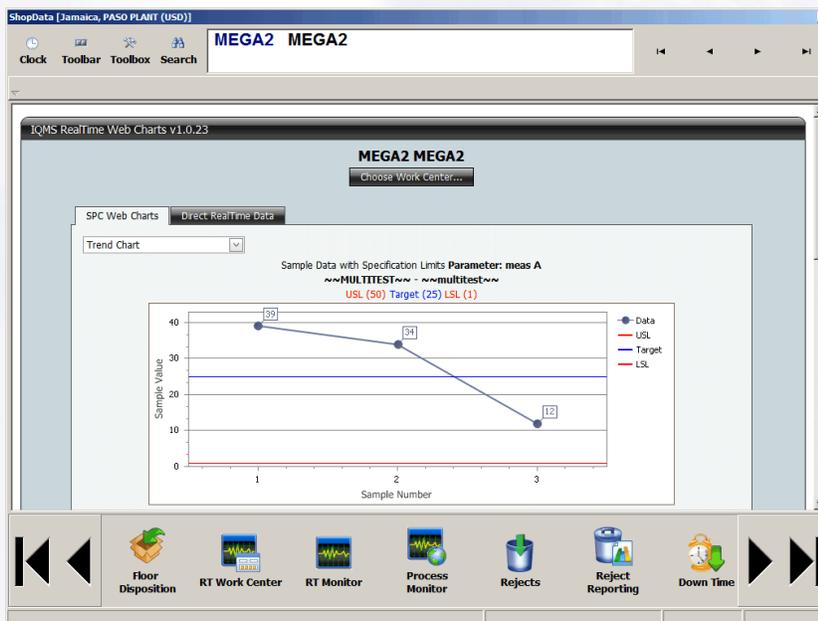
**Part Traceability** - View the overall finished goods number and then drill down to the process details and parameters (item number, work order details, manufacturing number, lot number date and time) for accurate part traceability.

**Label Capability** - Automatically print labels with a barcode and process parameter details to affix to a part or box while the parts are being produced.

**RTCharts** - Dynamically view your real time data in a multitude of charts and gauges . RTCharts can be viewed through Smart Page or a web browser, in your ShopData module or through your smartphone or handheld tablet.

**SPC Compatibility** - Push your real time data into the EnterpriseIQ Statistical Process Control (SPC) module for further calculations and statistical analysis. Receive voice alerts or email/text warnings if a part is trending out of specification.

**Two Modes of Communication** - Pull the data into EnterpriseIQ at timed intervals or based on cycles. Alternatively, push the data automatically to EnterpriseIQ upon capture.



View your real time data in a multitude of ways, including gauges and charts. RTCharts can be viewed dynamically through Smart Page or a web browser, in your ShopData module or through your smartphone or handheld tablet.