FACTIVITY

Shop Floor Module

Factory Floor Control

The FACTIVITY Shop Floor Module (SFM) helps dynamically control your shop floor, measure your productivity, measure your asset effectiveness and respond quickly to changing customer and floor requirements, so your business can compete better on the basis of time, cost and quality.

With FACTIVITY, you can identify and solve problems and "keep score" with a variety of real-time reports, KPI's and production metrics.

FACTIVITY is a touch screen visual tool that provides shop-floor personnel, supervisors and production management with visibility into, and control over, factory resources and the production process. Whether you have long time employees or temp labor, FACTIVITY's intuitive interface is the solution.

Floor screens can be individually tailored to the work area with specific machine requirements.

FACTIVITY is designed for a fast implementation that will immediately start to reduce waste in your production and supply chain process.

Paperless Job Packets

More timely and accurate than paper systems, and much more intuitive than barcode RF scanners, FACTIVITY's unique User Interface (UI) is designed to allow quick, error-free collection of production data. Job related information normally found in a job packet or traveler is on the screen and available to the operators at all times. This paperless approach also provides a way for supervisors and schedulers to visually stay in touch with all floor activity and update job priorities in real-time.

Error Proofing

Beyond an easy-to-learn User Interface, the SFM checks for errors to help eliminate time wasted with entry of inaccurate information. The production quantity reported by the operator is validated against the planned quantity on the job. Raw materials and component parts consumed at the operation can be verified against the item being made with correct lot/location information. Alarms can be triggered if too much is posted by the operator or too little is reported when the job is closed.

Interactive Gantt Scheduling

The ability to visualize the work load in the factory is greatly clarified by Gantt views. Scheduling is made easy by either dragging-and-dropping jobs in the Gantt view or changing the line up in the new Advanced Dispatch Edit. Production management has multiple ways to quickly and easily move jobs around and level the load as demand changes.

Operator Alerts

Pop-up overlays, on the main production job screen, notifies the operator about specific part related alerts when they sign into the job. Verification and auditing of operator actions provides management with better control of operator interaction and their follow-through to these alerts.

Order Grouping & Nesting

Sometimes work at an operation is a combination of different parts from many jobs that are run together at one time. This happens at Kiln/Furnace, Laser Cutters and Slitting operations, for example. FACTIVITY can create a Nest and treat this unique grouping of parts as one operation to simplify operator reporting of raw materials and production.

Split Operations

This allows the factory to run a single job on multiple machines simultaneously. Visibility to the total job quantity is always available while each machine/line/cell works independently and at the same time on a single job to allow faster completion of jobs.

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Employee Validation

Employees signing into a job (job-in) can be validated against the resource being used to verify if the operator is trained and ready to use the asset. Without the right level of skill or classification, the operator will not be able to sign into the job preventing potential misuse of machines and equipment.

Electronic Real-Time Alarms

To focus management on problems without the necessity to look at reports, FACTIVITY can send electronic messages or alarms to a specific predefined person or list of people so they are aware in real time of problems on the factory floor. Alarms can be configured to automatically generate a message to your PC or smartphone, so even if you are not at a FACTIVITY station, or even at the production site, you can stay in touch.

Barcode Capability

Print barcode labels can be printed on demand for applications like "Earn-a-Label" production tracking and inventory tags with (and without) lot number association. Combined with raw material accountability at the line level, FACTIVITY provides the path to shrink material variances and minimize data entry input transaction.

Spreadsheet Integration

FACTIVITY Shop Floor Module collects and then stores all real-time factory data for back end number crunching. Parts, Employees, Production Process, Scrap and Downtime information can be directly placed into preformatted spreadsheets for analysis and charting using all the functionality of Excel.

Factory Dashboard

Real-time displays of all machines can be seen on giant screen monitors. Several views are available. The "box" view provides a visual analysis of production in a matrix format. The Machine Status view is customizable and has a spreadsheet like appearance that allows sizing of rows, columns, headers and font sizes to match your particular viewing requirements.

Web Browser FACTVIEW

Using a Web Browser and without the requirement for additional seat licenses, anyone with the proper authorization can see a real-time view of factory floor activity. This facility provides a fast, easy and inexpensive way for more of your management team and supervisors to view what is currently happening on the production floor. Views include resource activity like Overall Equipment Effectiveness (OEE), operator assignments and daily job cards. Quality control can investigate job line-ups to better plan their daily activities. Customer service can use the views to investigate due dates on any part (purchase order look-up) as jobs are moved through the floor. (FACTVIEW is included in the Documents Module).

Machine Monitoring Module
(sold separately)

Real-time monitoring of floor assets provides the bridge for updating production and machine status without operator intervention.

Documents Module
(sold separately)

An electronic floor communication system that delivers various documents (quality, instructions, drawings, etc.) to operators at the touch of a button. FACTVIEW is part of the Documents Module.

Job Time Edit Module
(sold separately)

Promotes better Supervisor control over employee job time by providing approval of all operator shift records during or at the end of a shift with rules.

Analytics Module
(sold separately)

Drill down into data and find ways to improve their manufacturing floor's production process, using Microsoft's Reporting Services functionality. These KPI (Key Performance Indicators) Analysis Reports include the standard set of OEE measurements of Availability, Performance and Quality and much more.

Multi-Plant Data Warehouse
(sold separately)

Executive management can select a metric and see analytics for all the FACTIVITY factories segregated by production facility. By consolidating analytics from each plant and housing them into one data warehouse, trend and observations between the facilities can become visible. ■