



Factivity - Paperless MES Using Touchscreen Interface

Factivity provides a comprehensive collection of MES modules which can be purchased individually or as a collection. Our MES system can be easily deployed on touchscreen PC's across an entire enterprise.

It manages, guides and provides visibility to status and performance of the 4 M's:

Materials - WIP / **Manpower** - Operators, Supervisors / **Machines** - Production / **Methods** - Work instructions

- Improve effectiveness of floor assets through **real-time OEE** with Machine Monitoring
- Improve **labor management & accountability** with **Time/Attendance**
- **Improve scheduling** and customer service with better and realistic delivery dates with APS
- Promote a greener approach through a **paperless error proofing approach**...no bar codes required

Factivity Modules

Factivity has several add-on modules that are "tailored" to meet the specific requirements of each client.

Base System-Factivity delivers information to the factory floor in a "paperless" solution that pushes important manufacturing information from in front of operators and supervisors. As information is collected, it is analyzed in real-time, providing appropriate checks, alerts and messages so corrective action can take place. As a by-product of better floor visibility and control, this floor level control allows effective error proofing of data updating files.

Equipment Monitoring – Real-Time monitoring of floor assets provides the bridge for updating job status, consuming raw materials, recording labor and enabling visibility to important

resources without operator data entry. Unlike traditional shop floor data collection systems, event data is collected directly from the machines/lines/cells (without a terminal/PC required). An operator control station HMI allows additional editing of downtime reasons (when not automatically recorded) and viewing of job set-up sheets. Detail events are captured and summarized in to such well known metrics as OEE with identification to specific assets.

Time & Attendance - accountability of the workers for overall employee effectiveness using a supervisor shift edit "window" into time clock and job records throughout the shift.

Job Scheduling - provides your production scheduler with powerful graphical interfaces which can be used to visually

"optimize" real-time work loads across work centers. The interfaces can be optimized with custom filters and advanced planning functions to programatically arrange your work requirements based on your customer criteria and deliver it to the floor.

Paperless Documents-an electronic floor communication system that promotes collaboration between various documents (quality, instructions, drawings, etc.) and the employees that use them to build parts/ products through a paperless approach to quality control/ document delivery and making it actionable.



Factivity FAQ's

How does touch screen design differ from a bar code collection system?

FACTIVITY does not require paper - it is an electronic floor system.

FACTIVITY shows real time information about orders and operations with up-to-minute dispatch lists (schedules) to help keep the most important jobs on top and in focus.

FACTIVITY has a finite scheduler built in to provide realistic line-up of work at each work center.

FACTIVITY analyzes your time standards, in real time and alerts you to problems as they occur.

FACTIVITY connects directly to floor assets.

Some of the people on our factory floor cannot read...is that a problem with your system?

No, FACTIVITY is an intuitive system that does not use a "left-to-right" orientation of other systems. It uses big, colorful buttons that lead the operator through the data collection process quickly. Many of our customers have spent as little as 2 HOURS training the operator before going live.

How do I justify implementing FACTIVITY?

You can justify the FACTIVITY system...

- If you don't have good visibility to every floor order on a real time basis.
- If the labor time from the floor today via time tickets is sometimes inaccurate.
- If job reporting takes too long.
- If you want to shrink your manufacturing cycle time.
- If you want to go "paperless" on the factory floor.
- If you need to improve the accuracy of your standards.
- If you need to improve customer service.



Factivity "POD" screen

Do I need to have a network in place or can you install it for us?

FACTIVITY runs on an NT or UNIX/LINUX server. We can install it (and order the hardware) if you like. The touch screen reporting stations (workstations on the floor) run on Windows.

Can touch screens hold up on our factory floor?

Yes, many of our customers have found the touch screen to be the best choice for a new factory floor system. They are designed to handle temperature changes and extremely harsh manufacturing environments.

Can FACTIVITY provide time and attendance reporting?

Yes, FACTIVITY has a feature to allow a worker to sign into the factory at any workstation or, if you like, when he/she starts the first job of the day.

Can our machines "talk" to FACTIVITY to record information about production and down time?

Yes, FACTIVITY is a standard "open" network system that allows interfacing to floor machines.

Business Drivers

FACTIVITY provides OEE measurement in real-time

Many manufacturing companies are looking for better control, visibility and evaluation of the factory floor assets and activity. Some want the ability to track how effectively the floor assets (machines, lines, cells) are being used in terms of:

- Performance
- Quality
- Availability



Factivity OEE

FACTIVITY provides workforce analysis in real-time

Many manufacturing companies need to go beyond labor job costing with the requirement to provide real-time workforce productivity feedback to the operators/supervisor and accountability of the workers for overall employee effectiveness.

FACTIVITY is a paperless approach to factory floor collaboration

Many manufacturing companies want to provide an electronic floor communication system that promotes collaboration between various documents (drawings, instructions, quality, etc.) and the people that use them to build parts and products through a paperless approach to quality control / data capture and making it actionable as required.



Ask These Questions

Executive Level

- How are you evaluating your asset effectiveness and plant productivity?
- Do you have initiatives for using information to help your company become lean?

Management

- How can I make the floor activity more visible?
- What are your “alerts” for activity that is non-conforming (quality control) or unproductive (supervisors)?
- Is it timely enough to be actionable?
- Do you have a visible, reliable method to make floor activity accountable to the individual/employee?

Who would be interested in investigating the FACTIVITY solution?

The person who is responsible for production control and on-time delivery of parts/products. This is often the VP of Operations, Manufacturing or the Plant GM.

Any person who believes that managing the activities on the factory floor is a key to improving the “process” (flow of WIP, quality of parts/products produced, minimizing scrap and downtime) will want to implement FACTIVITY.

Does your company have interest in any of the following areas?

- Improving the control and visibility of the production process?
- Improving the flow of the WIP and “optimizing” the sequencing of parts/jobs?

- Knowing immediately when something is non-conforming while in production?
- Promoting an “error proofing” methodology on the factory floor?
- Seeing and tracking variances as they occur?
- Eliminating the cost of creating and distributing paper-based floor documents?
- Reducing number of transcription errors?
- Improving the accuracy of shop floor accounting data?
- Making the factory LEAN through better floor level information management?
- Proving an intuitive touch button floor system that has no language barrier?

