You can’t improve what you don’t measure

PLANT FLOOR VISIBILITY FROM ANYWHERE
**Key Functions**

ShopFloorConnect automatically collects important production data from your machines—data that previously could only be collected manually—and places it into an organized database.

- Displays real-time machine status through the FactoryViewer
- Tracks machine uptime, downtime, and reasons for downtime
- Tracks production rates and counts
- Job Queue Manager
- Generates and automatically distributes reports including OEE by shift or job

The ShopFloorConnect database can be used to provide timely, accurate, and unbiased production data to your existing (or future) MES and ERP systems.

**Instant Downtime Alerts**

ShopFloorConnect has the ability to send text alerts whenever a machine is down for longer than a preset time. You may create an unlimited number of alerts for each machine, specifying the recipient(s), the shift during which each recipient is eligible to receive alerts, the elapsed time before the alert is sent, and even the specific downtime reasons that will trigger the alert. This powerful capability enables ShopFloorConnect to summon the requisite personnel for any stoppage quickly and automatically.

**Flexible Reporting**

ShopFloorConnect uses Microsoft SQL Reporting Services. Report templates feature filter selections for customizing the reports to contain the information you want. Reports can be generated in formats including PDF, Excel, Word, and CSV. Users can create their own delivery schedules and recipient lists (individuals and groups).

**Job Queue Manager**

ShopFloorConnect allows you to create or import prioritized queues of jobs, which are then sent automatically to each ShopFloorConnect Machine Interface (SMI).

- Documented transfer protocol allows the schedule to be populated from other software
- Calculates estimated time/date of completion for all jobs in the queue
- Paperless – it automatically sends job parameters to each Machine Interface
- Partially completed jobs can be automatically inserted back into the schedule

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**Why ShopFloorConnect is Different**

- Our 50+ years of application experience with industrial machinery allows us to help you implement the system quickly
- It utilizes a simple turnkey interface on each machine that plugs directly into your existing network speeding the implementation
- Truly automatic collection of uptime, downtime, and production counts with no manual data entry
- Makes production data available in real time – You don’t have to wait until a job is finished. The real-time nature of the product allows it to support ‘visual factory’ displays.
- Advanced OEE calculation method designed specifically for discrete manufacturing allows a unique ideal performance rating for each part/machine combination.
- Automatically generates and distributes user-configurable reports at scheduled intervals.

**Key Benefits for Your Business**

- ShopFloorConnect’s automatic data collection and reporting capabilities include:
  - Unbiased accuracy, timely information, elimination of manual data entry, and reduction in paperwork
  - Increase capacity and profitability by addressing downtime issues
  - Focus improvements in critical areas by quickly identifying and quantifying excessive production losses and bottlenecks
  - Make more informed decisions relating to capital equipment purchases
  - Better labor utilization and resource allocation
  - Quote accurate delivers based on real-time information
  - Production data available to other applications through ShopFloorConnect’s SQL database – can be integrated with your ERP and MES software
- ShopFloorConnect’s real-time FactoryViewer allows:
  - Remote viewing of real-time factory status via any browser, PC, tablet or smartphone
  - Personnel to respond to problems as they occur
  - Improved planning/scheduling
  - Large-format factory displays that provide instant visibility of underperforming machines
- Paperless – it automatically sends job parameters to each Machine Interface
- Partially completed jobs can be automatically inserted back into the schedule

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**What is ShopFloorConnect?**

ShopFloorConnect Overall Equipment Effectiveness (OEE) tracking software and the SMI machine-mounted interfaces together collect important production data from any machine with little or no operator involvement. ShopFloorConnect displays information in real time, so problems can be addressed as they happen. ShopFloorConnect allows you to quickly identify underperforming machines and the reasons for underperformance – enabling you to focus your valuable resources where they will do the most good.

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**Turnkey Solution for Machine Connectivity**

- **Lasers**
  Compare uptime efficiency and production rate for different material types.

- **Injection Molding Machines**
  Track production counts, uptime, downtime, temperature, and pressure.

- **Press Brakes**
  Track uptime, downtime, and OEE by part and operator.

- **Packaging Lines**
  Create efficiency reports by SKU number.

- **Stamping Presses**
  Track OEE by machine and by tool; keep track of the number of hits on each tool.

- **Machining Centers**
  Keep accurate production counts and track OEE by part.

**SMI: ShopFloorConnect Machine Interface**

The ShopFloorConnect Machine Interface is an Ethernet-ready terminal that allows you to collect production data from virtually any machine. Rather than requiring a complex integration project, our machine interface is quick to install and requires only a few simple connections to the machine in order to provide fully automatic data collection.

- Simple to implement—turn key solution
- Ethernet ready—simply plug it into your network using the built-in RJ-45 (standard Ethernet) connector
- Fully customizable downtime reason codes for each machine

- Simple touch screen operator interface
- Built-in parts counter with preset
- Ability to enter applicable job and operator parameters
- Compatible with serial bar-code scanners

Wintriss Controls is a leading manufacturer of data collection systems for all discrete manufacturing; and press automation, die protection and safety controls for metal stamping and forming industries. These products, which leverage Wintriss’ 50+ years of experience, are known for their proven performance and rugged dependability in the toughest factory environments. Wintriss equipment is backed by attentive service, timely repairs, and comprehensive spares inventories. A toll-free hotline gives customers immediate access to technical support experts for product information and applications assistance.

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