

CNC Informer

CNC Machine Event And Performance Monitoring Solution

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CNC INFORMER

CNC Machine Event and Performance Monitor

System Features And Functions

CNC Informer offers Real-Time monitoring, providing production statistics, Overall Equipment Effectiveness (OEE), mobile phone texting, and email notifications on key machine signals and events. The system archives production data so a historical view of shop floor performance can be evaluated over a year, month, week, day, or shift. For Fanuc CNC Controls supporting the FOCAS interface, CNC Informer tracks good/bad part counts along with the CNC program numbers run on each machine. The web based (SaaS) system works with any PC browser to access system data from anywhere.

Comprehensive tools allow users to configure production data presented in a meaningful way. Assign specific machines to an Asset Group for machine cells or departmental statistics. Assign Asset Groups to shop supervisors responsible for specific cells or departments. Users can quickly assess Overall Equipment Effectiveness (OEE) and identify bottlenecks and problems across the entire shop floor and make process changes to eliminate unwanted down time.

Derived Signals

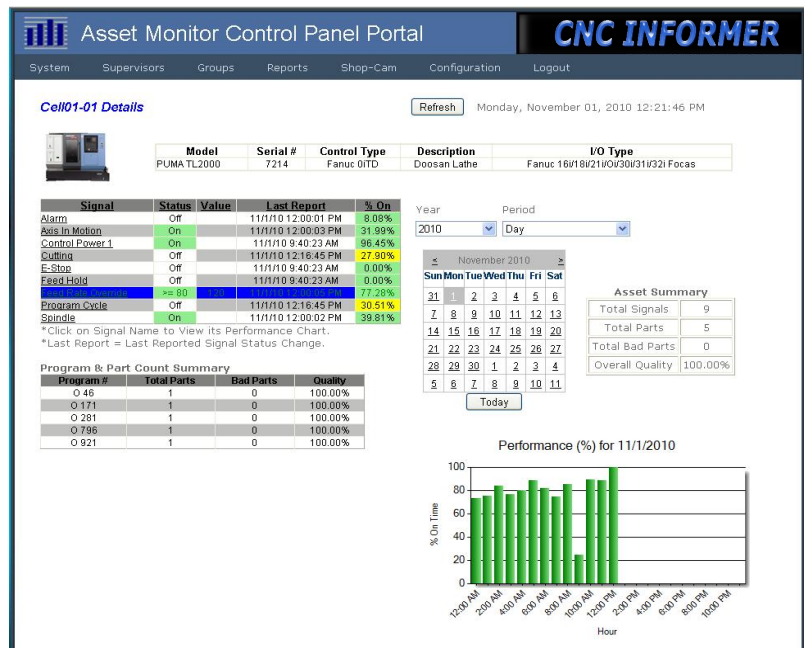
CNC Informer allows users to combine machine signals creating a high-level derived signal. For example, the derived signal "Cutting Part" can be created to represent the following derived condition:

Power On + Cycle On + Spindle On + Feed Hold Off + Axis Motion + % Feed Override >= 80%

When the above is true, the derived signal "Cutting" is considered to be on.

Part Count Support

Get an accurate good/bad part count produced for any machine, number of machines or facility. CNC Informer tracks number of parts



Asset Monitor Control Panel

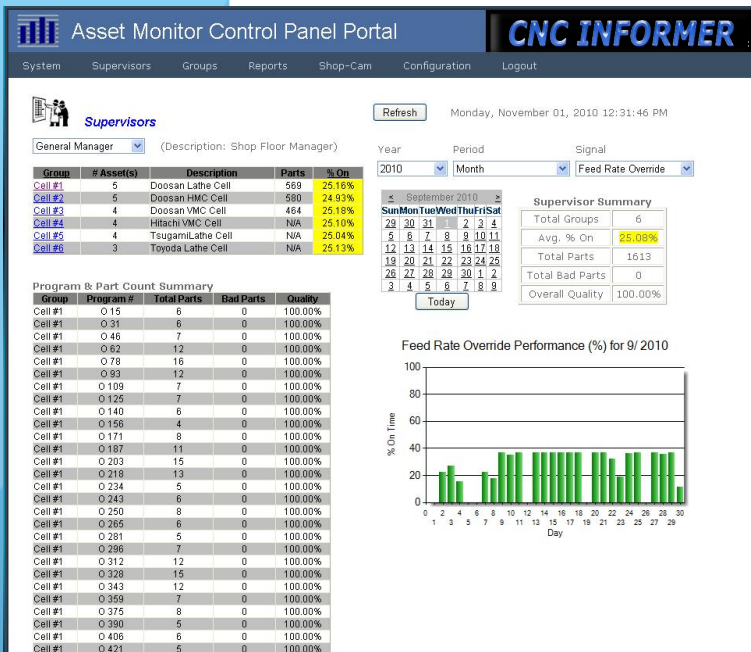
machined, good or bad, and the CNC program used in the machining. Based on this data, CNC Informer calculates OEE Quality Metrics over a year, month, week, day or shift for productivity monitoring over time. With Real-Time monitoring, changes can be made on the fly to realize maximum performance in any given period.

Text Message And E-Mail Notifications

CNC Informer can send text messages and email notifications when a pre-configured machine event occurs so you're always in touch with your production expectations no matter where you're located.

Charts And Reports To Fit Your Needs

CNC Informer provides an easy to use, intuitive web based utilization and performance viewer to help monitor the machine events that are important to the operation. Any machine event that falls outside expected and acceptable parameters flags an operator or supervisor to address the event immediately, in real time, to avoid an unproductive shift.



OEE Quality Metrics

Snapshot the entire shop floor or drill-down to defined departments, cells or machines. Analyze real-time production or specific time periods by year, month, week, day or shift. Identify performance trends, inconsistencies and potential problems to make immediate process improvement decisions.

Making Chips = Making Money

Most operations are making money only when machines are running. CNC Informer provides detailed, real-time and historical knowledge of shop floor performance, by machine or Asset Group.

Accurate Data, The Foundation For Success

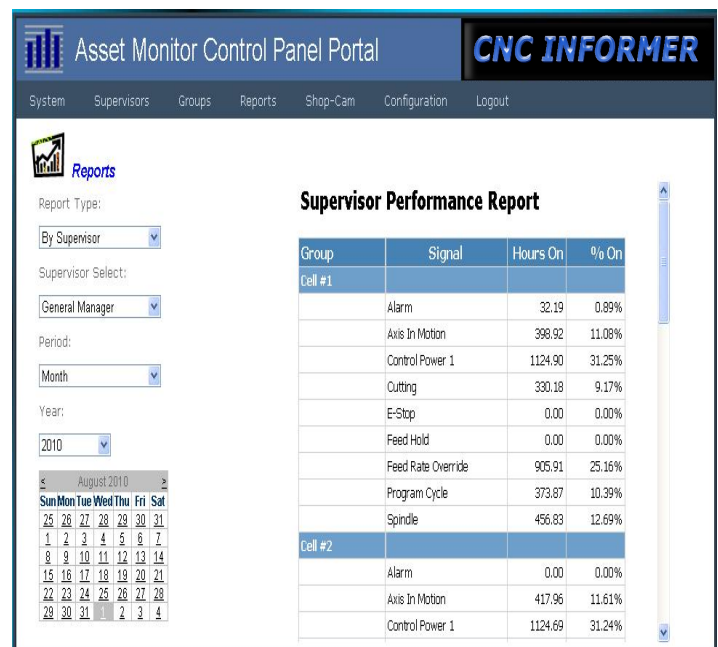
CNC Informer provides accurate and reliable information from each machine with simple and informative charts and graphs based on available data from each machine.

Our expertise in CNC communications and the professional ability to integrate physical and logical data access methods assures that data collected from your machine controls is accurate and meaningful.

"Real" Real Time Monitoring

Other products teach that monitoring "Program In Cycle" is an accurate measurement of machine productivity. What if Feed Hold is on, or Feed Rate Override is at 50% or less? Our system monitors Feed Hold, Feed rate Override, Spindle, Axis Motion, Coolant On/Off and more for a truly accurate production measurement.

Monitor any machine signal combination for a true representation of machine production.



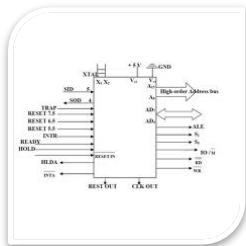
Supported CNC Controls & Signals

CNC Informer is a flexible system providing Ethernet connectivity to most Fanuc i Series Controls



Fanuc FOCAS Control Support

Fanuc Oi, Fanuc 16i/160i, Fanuc 18i/180i, Fanuc 21i/210i
Fanuc 30i/300i/31i/310i/32i/320i



Fanuc i Series signal support:

- Control Power On/Off
- Spindle On/Off
- Program Cycle On/Off
- Feed Hold On/Off
- % Feed Override
- % Spindle Override
- Axis In Motion
- E-Stop
- CNC Alarm
- Coolant On/Off



Data Monitoring

Fanuc PMC bit or binary data can also be monitored. The system allows users to configure what PMC address and bit(s) to monitor, and what the signal represents.



All other Controls

CNC Informer supports an Ethernet I/O module, which allows system integrators to tie discrete machine signals to the I/O Module. Any 24v CNC Control signal, lamp, switch, relay, etc. can be wired to the module for monitoring by the system.



Cost Effective And Scalable

CNC Informer is designed to fit a wide variety of implementations from small shop environments to enterprise wide multi facility solutions, CNC Informer is scalable to fit your needs and requires very little IT support.