



Need to integrate hand tools into your MES?
Need a stand-alone error proofing solution?
The **Global 400 Process Monitor** from SR is
your solution

GET BOTH CONTROL AND FLEXIBILITY IN ONE PROCESS MONITOR

- The Global 400 provides the flexibility to create the control you need, and the control to create the flexibility you need.
- Helps you achieve a more robust process through top down management.
- When combined with the GIM 400, a power duo is created that takes error proofing hand tools to a new level.

FLEXIBLE CONFIGURATION

- Global I/O Manager (GIM 400) is virtually a Windows based configurable PLC when used in conjunction with the Global Manager software program.
- The GIM 400 manages 16 I/O channels and can be configured for 100 binary when connected to a PLC.
- Two rows of LEDs (Input and Output 1-16) make it even easier to configure and makes trouble shooting fast because the LEDs provide channel indicators.
- The GIM 400 powers a light stack, tool, or socket tray to help manage more complex assemblies.
- The Global 400 provides documentation in multiple ways via EtherNet, on-board storage via USB, or line side printing via the serial port.
- The Global Manager point and click software allows you to configure parameters, groups, jobs, and the GIM 400 from a remote location via multiple, simultaneous EtherNet connections.



PROCESSES

- Organizes and guides up to 16 hand tools and 8 holding tools.
- A team of four operators can work simultaneously with any tool combination.

TOOLS

- Integrates with 1200 Series Exacta 2, 1250 Series Exacta 2 Digital Wrench with Torque and Angle, our SLTC FM 2.4 GHz Click Wrenches, 1200 PST and the Holding Tool Technology Wrenches (PAF).
- Provides a wide range of torque tool capacities.
- All tools work with the world's most flexible interchangeable head system - any head fits any wrench.

COMMUNICATION

The Global 400 communicates Open Protocol, EtherNetIP, ToolsNet, and our own Global Host Data Repository Software.

GLOBAL 400

HOW IT WORKS

- The Global 400 stores 100 parameters, 100 groups, and 100 jobs selected via EtherNet, socket/tool tray, or bar code scanner.
- The optional GIM 400 is connected to the Global 400 via serial bus.
- The Global 400 and GIM 400 power duo can be configured to seamlessly operate a socket tray ensuring the worker has the right tool in hand. The GIM 400 signals the Global 400 to change from "Suspended Mode" to active mode and parameter information appears on the Global 400 screen.
- Both tool and Global 400 provide the operator with visual and auditory feedback.
- Upon batch completion the Global 400 batch can be locked or suspended via EtherNet, or GIM 400.

ERROR PREVENTION MADE EASY

- Tools are learned into a tool bank and are paired with parameters.
- Tools are only active when the parameter with which they are paired is active.
- No parameter changes can be made at the tool level so you have complete control.
- The Global 400 only recognizes activity/work from active tools. It does not recognize tools in suspend mode.
- Visual and auditory feedback on each fastening.
- Configure Batch count advancements to your standards.
- Optional GIM 400 extends visual guidance via configuring a socket or tool tray.
- System is password protected and all configuration changes are captured in the event log.



555 Kimberly Drive, Carol Stream, IL 60188 USA

Worldwide +1 (847) 455-8677
U.S. Toll-free: +1 (800) 877-1347
Fax: +1 (847) 455-0347
Email: customerservice@sr torque.com

www.srtorque.com

© 2016 Sturtevant Richmond. All rights reserved.



COMPLETE TRACEABILITY

- Memory capability of 10,000 torque events and 20,000 operating events.
- Live reporting via Ethernet connections.
- Can report in real time or can batch report.
- Interface with Global Manager, Global Host, or ToolsNet, for reporting and analysis.
- Capture torque events via removable drive.
- Hard copy at location via serial printer.

THE GIM 400

Designed to operate light trays, socket trays, light stacks, audio alarms, the GIM 400 is a powerful device to error proof your assembly operations. When connected with a PLC, binary capability expands to 100 I/O and still has excess capacity to run light stacks and audible alarms.

HOW THE GIM 400 WORKS

The GIM 400 is flexible providing 16 Inputs and Outputs with the expandability to chain an additional 3 GIM 400s together. The GIM 400 can be powered through the Global 400 serial bus or a PLC eliminating the need for another power supply. Programming is accomplished via the Global Manager point and click software.

More than 40 years ago The Sturtevant Company and The Richmond Company were merged together to form the most comprehensive torque tool and calibration equipment product line on the planet. Many of our customers have been with us for 75 years, and all say that SR tools are, by far, the easiest to calibrate and most accurate, durable tools on the market. Try our tools and see first-hand why those who know us are customers for life.

Accurate. Reliable. Durable.
Tools you trust.

