

ARE YOU ASSEMBLING TODAY'S PRODUCTS WITH LAST CENTURY PROCESSES?



TODAY'S PRODUCT ASSEMBLY DEMANDS SOPHISTICATED TECHNOLOGY. HAVE YOUR PROCESSES KEPT UP?

From the first name in torque tools and systems comes the **GLOBAL 100**, the industry's most flexible and intuitive way to gain control over your assembly process.

Improve quality, reduce costs, and increase throughput with **GLOBAL 100** and intelligent radio-equipped tools.

THE ASSEMBLY SEQUENCE HAS EVOLVED OVER THE LAST ONE HUNDRED YEARS, BUT TWO THINGS REMAIN THE SAME:

1. Hand tools are still a necessary part of any assembly process.
2. Control over the assembly sequence is critical to managing cost, maintaining quality, and increasing throughput.

YOUR CHOICE. YOUR CONTROL.

The **Global 100** Torque Control System from Sturtevant Richmont.



**Sturtevant
Richmont®**
Torque Measurement Systems

www.srtorque.com
Worldwide: 1-847/455-8677
customerservice@srtorque.com

THE INDUSTRY'S MOST INNOVATIVE WAY TO CONTROL HAND TOOLS

Sturtevant Richmond brings more than 70 years of innovation and sound engineering to the **Global 100**, finally giving you real control over assembly sequences and access to the data you need.

You can rely on the **Global 100** and intuitive tools to improve your processes:

1. Each radio equipped tool is paired with one **Global 100**
2. Each tool is assigned to a parameter
3. Parameters are organized into jobs
4. A tool is only active when the parameter to which it is assigned is active



Reduce rework and lower warranty costs while increasing throughput with the **Global 100's** dependable and flexible system:

- Control the assembly sequence
- Manage up to 100 jobs and 100 parameters
- Communicate in open protocol commands via an Ethernet network card – the heart of the **Global 100**
- Combine up to twenty (20) hand tools – in any combination of digital torque wrenches, radio equipped click wrenches, or ported, transceiver-equipped air tools.
- Connect to the MES or use the **Global 100** as a stand alone
- Use bar code scanner to select job/batch information



CONTROL HAND TOOLS
WITH THE **Global 100**

HOW DOES IT WORK?

Global 100 Torque Control System

The **Global 100** and intelligent tools are radio-equipped using 2.4 GHz frequency. Once paired, a tool and the **Global 100** torque controller can only communicate with each other.

Because you control the parameters, only the tool associated with the active parameter will work for that particular assembly. No activity will be recognized if a worker attempts to use the wrong tool. The **Global 100** displays the current parameter and the active tool on the easy to read screen while all other tools are in suspend mode.

Immediate Visual and Auditory Feedback

The **Global 100** and the active tool provide both visual and auditory feedback as the worker progresses through the assembly process. This enables the worker to immediately understand the status of the last fastener.

Batch total and batch count are viewable on the **Global 100** screen, letting the worker know where they are in the process. The batch count only advances when a fastener is tightened to the appropriate specification.

The **Global 100** provides a visual and auditory signal when the batch is complete and then automatically moves on to the next parameter in the sequence.

Data Collection

The same circuit providing visual and auditory feedback to the worker also provides immediate digital feedback to the reporting module. If the **Global 100** is connected to the MES, result data is immediately transmitted to the MES. If the unit is not tied to the MES, result data resides in the network card. Up to 2400 date/time stamped torque events are stored and can be read and exported by the **G100** Manager Software program provided with the system.



**DON'T BE LEFT BEHIND WITH
OUTDATED PROCESSES.**

Only the **Global 100** Torque Control System and intelligent tools from **Sturtevant Richmond** give you complete control:

- Sequence control
- Immediate torque data
- Reduced warranty/ rework costs
- Better productivity



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Global 100 TORQUE CONTROLLER/TOOLS:



Global 100 Ethernet:

Provides the power you need to control the assembly process with open protocol commands.

1100 Series Exacta - 2 Digital Torque Wrench:

- Accurate to +/- 1% of Indicated Value. Visual and Auditory feedback for operator. Models come from 25 ft. lb/33.8 Nm capacity with 3/8" Square Drive to the Exacta 600 ft. lb/813 Nm cap. with 3/4" square drive ratchet.
- The **1100 Series Exacta -2 Digital Torque Wrench** accommodates the **Sturtevant Richmont** patented interchangeable heads with the common centerline that ensures accuracy. Whether you need the Quik Change head or our long-standing set pin and anvil head, the 1100 Series Exacta 2 wrench is durable, accurate, and reliable. See wrench capacity and head details at www.srtorque.com
- 21259 Charger & 4 AA NiMH*4 AA NiMH 2200 mAh batteries & charger

SLTC-FM 2.4GHz Preset Click Wrench:

- Accurate to +/- 4% Indicated Value, this tool clicks or releases when the appropriate value is achieved. Preset wrenches start at 50 in. lbs./6 Nm capacity up through our 7200 in. lbs/813 Nm capacity.

PST - 1000 Pneumatic Sensor/Transceiver:

- PST 1000 Pressure Sensor/Transceiver for ported air tools. Includes charger. Go to www.srtorque.com for more information about the PST-1000.

TO DISCUSS HOW THE **Global 100** CAN IMPROVE YOUR PROCESSES, CONTACT US WORLDWIDE AT 1-847/455-8677 OR VISIT OUR WEBSITE AT www.srtorque.com.



To learn whether the Quick Change or Traditional Pin/Anvil System interchangeable head system is right for you, scan the QR code to the left or visit our products section at www.srtorque.com.



**Sturtevant
Richmont**[®]
Torque Measurement Systems

In 1924, Walter P. Chrysler licensed Paul Sturtevant to manufacture and sell Chrysler's newly invented torque wrench. That was the start of the torque tool and error proofing industry. Since incorporating in 1940, **Sturtevant Richmont** has been the first name in torque tools and systems.

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