

CS Range



Controllers

Basic and Advanced Models

- Basic models have small scrolling displays.

- Advanced models give full information and have large bright screen designed to reduce eye strain.

Flexibility

Flexible

Up to 32 parameter sets, 16 sequences per channel. Easy setup of all applications, from simple rundowns to complex sequences.

Structured Logical Programming

Applications can be programmed from the controller keypad, using the Visual Supervisor (VS) program, or via a PLC.



Instant

VS Software

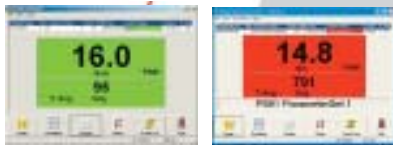
- VS is detachable when a laptop PC loaded with the VS program is connected to a CS controller. VS on a laptop PC is portable so it can be used to program many CS controllers.

- VS can also be embedded (permanently installed) in the built-in computers of large, multi-spindle CS controllers.

- Setup is automatic. User simply enters the IP address into the controller and VS. Communication begins as soon as the tool is attached and the system is powered on.

- "Drag and drop" makes programming of parameter sets and sequences easy. VS displays fastening rundown results, graphs, statistics, an event log, and diagnostics information for communications, tool and I/O.

Communication



Process

Management



Process Management

Multi-spindle CS controllers can be designed for as many as 32 spindles in an RS-485 network, and for as many as 99 spindles using Ethernet connections.

CS controller network options: Ethernet, DeviceNet, Modbus TCP/Ethernet IP, Profibus DPV1, PFCS/Terminal Server, etc.

Traceability

Quality Assurance

Controller memory ensures traceability via recall of tightening results: final torque, final angle, torque rate, date, time, bar code, tightening curves and more.

Up to 2,000 readings (torque, angle, date, time, report).

Curves: 1 OK curve and 1 not OK curve per channel per rundown.

Graphs

Statistics

VS automatically calculates statistics for torque, angle, or torque and angle results.

- Results are displayed on CS controllers with keypad/display, or on the laptop screen when VS is attached to the basic CS controller

- Statistics include StDev, Cpk, CR, 6 Sigma, Mean, Low, High, Range

- Printing of full statistics report



Modularity

From the simplest to the most advanced applications

