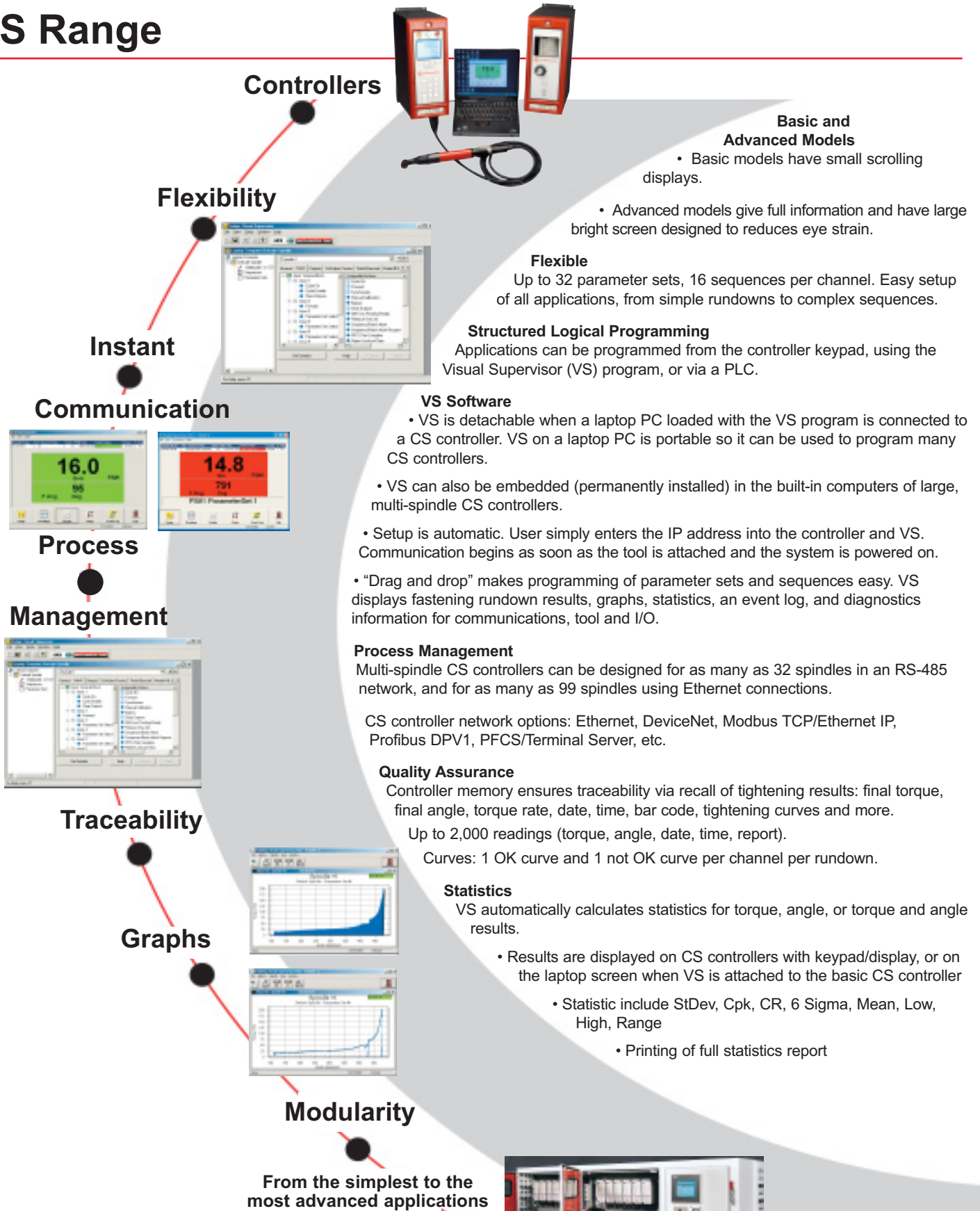


CS Range



Electric Transducerized Tools

Acceptable/Unacceptable (OK/NOK) Signals

The quality of each tightening is displayed on all tools:
 Green (OK) and Red (Not OK) for the SD25 Screwdrivers.
 Green (OK) and user programmable red and yellow lights, factory set for torque and angle rejects

- All tools have a built-in torque transducer with leading edge strain gauge technology
- Angle monitoring, digital communication between tool/controller ensure joint quality

Tightening Strategies to Meet the Joint Specification

All CS controllers perform continuous process monitoring. The following control and monitoring strategies are available:

Control

- Torque only
- Torque and angle
- Yield

Monitoring

- Torque only
- Torque and angle
- Yield
- Prevailing torque
- Self-tap
- Re-hit

Ergonomic, User-Friendly

- SD25 Screwdrivers weigh just 1 lb. (0.4 kg).
- Nutrunners have programmable green, yellow and red LEDs with a handle display that shows tightening result and programable scrolling message.
- 46 and 66 Series tools are high speed to minimize operator reaction.

No Need to Re-Calibrate Controllers

CS controllers automatically recognize the intelligent tool that's attached. Controllers need NO calibration

Maintenance

Gear greasing is the only maintenance required. Digital display in the tool handle shows when maintenance is needed.

Intelligence

Intelligence is built into every tool providing:

- Model number
- Build date
- Serial number
- Torque parameters
- Speed parameters
- Calibration data
- Angle count/revolution
- Last calibration
- Last repair
- Display
- Auxiliary pushbutton
- Cycle count
- Locked rotor count
- Overtemperature count
- Preventive maintenance counter

Tightening Quality



Ergonomics

Operator comfort

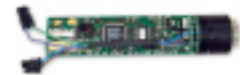
Tools

Large range of tools
(1-3,000 Nm)

Productivity

Process

Low maintenance



Cost Savings

Automatic self diagnosis
with user-friendly messages
Reduction of assembly
inspection procedures

Choose This Controller	For This Tool	Torque Range	Tool Design
CS2700	SD25 Series Screwdrivers	1 - 5.6 Nm	<ul style="list-style-type: none"> • Intelligent • Hall effect sensor (when speed and operator comfort matter) • VS Software compatible
CS4746	46 Series Nutrunners	5 - 15 Nm	
CS4700	66 Series Nutrunners	2 - 226 Nm	
Workstation or Multi CS5000	Multi SD25, Multi 46/66 Series spindles	1 - 226 Nm	<ul style="list-style-type: none"> • Intelligent • Resolver (when precision matters) • VS Software compatible
CS7000 Multi CS7000	177 /277 Series Nutrunners	150 - 3,000 Nm	

