



Control Systems

C50S

Process Control for complex
screwdriving applications

C50S

+ Model C50S: for fully configurable screwdriving processes

Features

- + **255 programs** (free choice of program selection via customer interface)

- + **Five results** selectable from any stage

- + **Statistical functions** for process quality assessment

- + **Advanced screwdriving methods:** gradient screwdriving (torque, depth), relative torque and newly developed methods like M360° - each with **up to 25 screw stages**

- + **Routine friction test** to check spindle and measurement system function

- + **Measuring chain regularly checked** before every screwdriving process to prevent errors in the measuring system (nominal value and offset test)

- + **Digital and analogue depth measurement** to optimize screwdriving processes

- + **Process parameters set via customer interface** for flexible process applications in i4.0 environments

- + **Advanced process analysis and diagnostics:** last 1,000 curves stored in the control and up to 10 curves superimposed in visualizations

- + **Visualization on any PC or optional WEBER touch monitor**

- + **Optional redundant measuring system VDI 2862, Class A**



Technical data

Parameters	Torque, filtered torque, relative torque, angle, time, digital/analogue depth, gradient, digital/analogue signal, depth gradient
Dimensions [mm]	500 x 350 x 250 (H x W x D)
Voltage [V/Hz]	230/50 – 60
Power drive classes [W]	100, 400 und 750
Interfaces / bus systems	Digital I/O, PROFIBUS, PROFINET, Ethernet/IP, Device-NET and Ethernet/CAT