



Technology that connects



EC Handcrewdriving System HSE with C35S

EC Hand Screwdriver HSE

Hand Screwdriver with electric drive

EC screwdriver for sophisticated, programmable screwdriving processes with automatic screw feeding system. Especially in safety-related assembly processes or for sensitive components.

Drive and control technology that is designed for any application or customer request.



Operator panel OP35

Features HSE

- Open concept: it is possible to use different power drives and controller
- For optimal screwdriving processes (e. g. soft start, left-right run, loosening)
- Small and light weight
- Excellent vibration damping and ergonomics by optimum grip material
- Adjustable intermediate stroke for ‚protruding screw‘, in order to find the hole easier
- Quick-release connections for extremely simple, tool-less bit replacement and screw jam elimination
- Automatic screw feeding
- Feeding head designed for your application: 3-finger or 2-finger aligning guide swivel arm for short cycle times and short screws
- Pistol grip for horizontal working direction
- Automatic bit stroke for ergonomic work
- Strain gauge transducer



power drive and gear box with integrated strain gauge transducer

Technical data

HSE with automatic screw feeding

Weight (without power drive):	1,1 kg
Length (without power drive):	Appr. 320 mm
Power supply:	Pneumatic 6 bar Electric 230 / 115 V - 50 / 60 Hz
Torque range:	0,3 to 10 Nm
Screw feeding:	Weber feeding ZEB or ZEL

Controller C35S

for handscrewdriving system HSE
with strain gauge transducer



Features C35S

- _ Integrated PLC
- _ Emergency stop
- _ Predefined screwdriving procedures make set-up easier
- _ 15 pre-set control strategies:
program selection via customer interface or display
- _ 6 diagram types for hand screwdriving applications
- _ Input customer interface: release start, confirmation, NOK
confirmation, adjustment, manual separation, program selection (4 bit)
- _ Output customer interface: OK result, ready, OK, NOK, signal adjustment,
signal separation, process run
- _ Interfaces: Digital IO, ProfiBus, ProfiNet, serial Interface USB
(without delay of cycle time); datastring via RS232
- _ ESD-capability

Highlight – the integrated PLC

- _ **Extensive:** control of the handheld screw-driver HSE, the feeding ZEB or ZEL and the associated sensory
- _ **Communicative:** USB, RS232, digital IO, ProfiBus, ProfiNet
- _ **Comfortable:** thanks to proportional valve protruding screw for easy attachment and gentle bit stroke at the start of the assembly
- _ **Simple:** preconfigured pneumatic assembly
- _ **Safe:** with optional integrated emergency stop device
- _ **Easy:** 6 readapted diagram types (strategies) for all relevant applications of hand screw-driving; the parameters are set using a four-line text display
- _ **Flexible:** 15 pre-set control strategies



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Weber Schraubautomaten GmbH

Hans-Urmiller-Ring 56
D-82515 Wolfratshausen
Tel. +49 8171 406-0
Fax +49 8171 406-111

info@weber-online.com

www.weber-online.com

www.weber-schraubautomaten.com

**Weber Assemblages
Automatiques S.A.R.L**

Tel. +33 450 68 59 90
weber@weberaa.com
www.weberaa.com

**Weber Schraubautomaten
(Schweiz) GmbH**

Tel. +41 34 445 00 14
weber.ch@weber-online.com
www.weberschweiz.ch

Weber Automation s.r.o.

Tel. +420 5 492 409-65
weber.cz@weber-online.com
www.weber-online.cz
www.weber-online.pl

Weber Screwdriving Systems, Inc.

Phone +1 914 962-5775

marketing@weberusa.com

www.weberusa.com

**Weber Schraubautomaten GmbH
China Representative Office**

Tel. +86 21 64731879

weber.asia@weber-online.com

www.weber-online.asia