



PORSCHE

Workshop Equipment

Group 5-2

5-2 Welders and Accessories

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WE1311

Inverter Transformer Spot Welder TECNA SPOT 14000

Scope

Mobile inverter-spot-welding equipment with high-performance transformer tongs for spot-welding all types of alloy steel that can be resistance spot-welded - including ultra-high-strength plate - to manufacturer quality during body repair work.

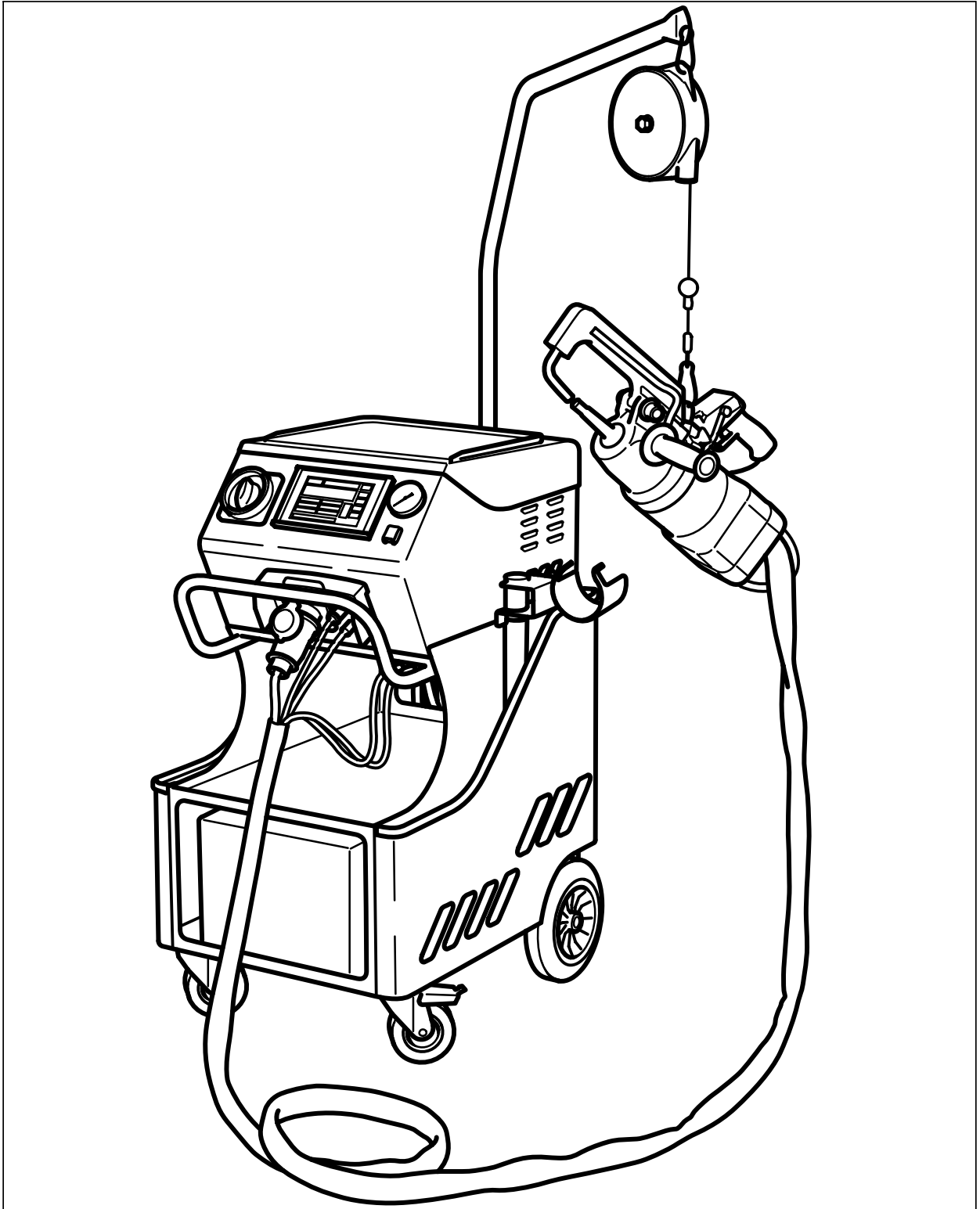
Description

Inverter power source with intelligent welding control fitted in housing on trolley. Welder features automatic weld parameter detection in accordance with the welding job. Touchscreen for straightforward operation and clear input. USB connection for vehicle-specific updates and for documentation.

Alternate use of tongs and multi-function gun (optional). Implemented programmes for all multi-function gun applications.

High-performance C-transformer tongs 8679T in 2-kHz inverter technology with max. electrode power of 465 daN for all available arm lengths from 85 – 635 mm. 4000-mm long connecting cable for long reach. The supplied movable balancer on the swivel and rotating jib allows you to work at your ease. Electric water cooler for cooling the transformer, diodes, electrode holders and caps.

Advantages



WE1311

- 14,000 A DC welding current
- Automatic welding parameter setting
- Long operating time
- Full welding performance even with low-current power supplies. Welder operational with 25 A delay-action mains fuse
- Manufacturer-quality spot-welds thanks to intelligent, digital control with vehicle-specific programmes (if parameters were set by the manufacturer.)
- USB connection for documentation, QA and updates
- Interference monitoring
- Electrode power is set automatically via proportional valve
- Easier to work with electrode power, irrespective of arm length, thanks to C-shaped tongs
- Arms can be changed quickly and easily
- Large action radius thanks to 4000-mm long, flexible and light connecting cable without strong magnetic fields

Technical Data

Power supply unit

Mains voltage	400 V (380 V – 415 V)
Mains connection	3 x 400 V (3-ph.)
Power lead dia./length	10 mm ² /8 m
Mains fuse	min. 25 A delay-action
Mains fuse for max. load	32 A delay-action
Mains power	17 kVA
Rated power at 50% duty cycle	38 kVA
Idle voltage	6.3 V
Max. regulated welding current	14,000 A
Ambient temperature	40° C
Protection class	IP 21
Dimensions H/W/D (mm)	1090/590/810
Total weight without accessories	165 kg
C-shaped tongs with sensor	8679T/RS
Cable length	4 m

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Weight with standard arm	approx. 13.6 kg
Handling weight with balancer	0 – 1.5 kg
Operating pressure	8 bar
Max. electrode power at 8 bar	465 daN
	for all arm lengths
Weight without cable	approx. 11.8 kg

Scope of Delivery

- Power supply unit with inverter and touchscreen control “Weld-Touch”
- Pneumatic C-shaped inverter transformer tongs with short and long electrodes
- C-shaped arm (L = 85 mm) with electrode (D = 16 mm), bent, short, water-cooled
- Trolley with large wheels at the rear and braked casters at the front
- Tongs holder and swivel arm with adjustable, movable balancer
- “Low Noise” water cooling module for transformer, tongs, arms and electrodes
- 8 m rubber power cable on pull-out tray on trolley

Manufacturer and supplier

Tecna S.p.A

Price

Available from manufacturer or supplier on request.