

# SPOT WELDING MACHINE

## Spot 14000 SmartPlus Automatic

Transformer pliers inverter with sensor electronics in the C pliers and fully automatic setting.

Art. No. 0691 500 390

P.Qty. 1



### Performance Features

- Top performance with low energy consumption thanks to highly efficient compact pliers transformer. The welding current is first generated in the pliers, resulting in only minimal magnetic fields along the 4 m pliers cable.
- 9,000 A welding current with only 16 A power supply fuse (Easy mode), 14,000 A welding current with 32 A power supply fuse.
- Everything under control with the fully automatic and dynamic readjustment of the welding power during the welding process.
- Electrode force up to 465 daN with automatic setting for different welding tasks via intelligent control.
- Simple, user-friendly operation via touchscreen.
- Settings can be made manually, according to type of sheet metal and material thickness, according to manufacturer's specifications or fully automatically.
- Fully-digital control with extremely fast process data handling.
- USB interface for connection of storage media, e.g. for documentation and quality assurance.

### Delivery Scope

- Transformer pliers inverter with 2 kHz sensor pliers for arm lengths up to 635 mm.
- Short C Arm (length 85 mm) with cooling connections.
- Intelligent control with WELD TOUCH CONTROL.
- Working modes: Smart (entry of metal sheet thicknesses, number and material type); SmartPlus (fully automatic); Expert (in accordance with programs of car manufacturers); Easy (direct entry of current, time and contact pressure).
- Low-noise water cooling unit.
- Cart with holder for arms and tool shelf.
- Outtrigger with balancer and adjustable hanger for spot pliers.
- 8 m power cable with CEE 32 A plug.

Mains Connection	N° Phase	Nominal power 50% ED	Welding power 10% ED	Short-circuit secondary current	Current at 100% ED	Secondary voltage
400 V/50 Hz	3	17 kVA	38 kVA	14 kA	1.9 kA	6.3 V

Slow-blow fuse	Cross-section of power cable for L = 15 m	Heat class	Protection class	Average operating pressure	Net weight	Dimension
(16) 25 - 32 A	6 mm <sup>2</sup>	F	IP 21	8 bar	125 kg	66 x 92 x 130 cm

### Art. No. 0691 500 243

2-arm set, water cooled, with electrodes for C pliers



Small C Arm, offset



C Arm 505 mm



Ball Electrode with insert electrode



Electrode with long leg

### Spare electrodes and caps for C pliers



Art. No.  
0691 500 244  
Round Cap D 13



Art. No.  
0691 500 248  
Round Cap D 16



Art. No.  
0691 500 245  
Insert Electrode

### Spare electrodes and accessories



Art. No.  
0691 500 278  
Ball Electrode with Insert  
Electrode



Art. No.  
0691 500 271  
Ball Electrode without  
Insert



Art. No.  
0691 500 277  
Piston Electrode 1160 mm



Art. No.  
0691 500 262  
Eccentric Cap

### Further water cooled arms for C pliers



Art. No.  
0691 500 249  
C Arm 200 mm



Art. No.  
0691 500 246  
C Arm 355 mm



Art. No.  
0691 500 247  
C Arm 635 mm