

MINIspot 3.0

Sheet metal forming device

Sheet metal forming device for car dent repair

- Tack welding
- Dent removal
- Stud welding
- Sheet heating for pulling or strenghtening
- Welding of washers, wiggle wire, T-studs, Bolts 2-5 mm



Fully automatic welding with welding program „VISIONAUTO“

ELMASpot VISION

Fully automatic multifunction spot welding machine

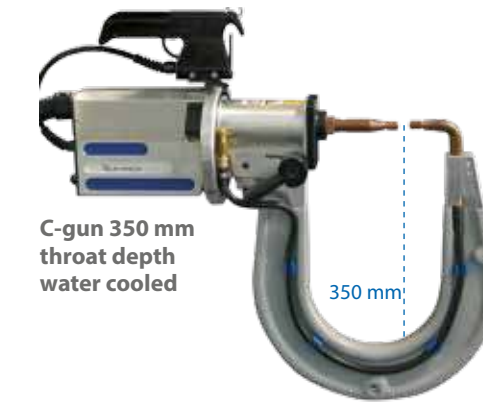
- With 10 kHz transformer C-gun and internal cooling with 70 l tank
- 5,5 kN electrode force in all C centre-arm distances (80, 350, 500 mm) at 6 bar
- 5 m mains cable, 32 Amp. CEE connector, main circuit breaker
- Extremely low spot welding gun weight (eg. C-gun 10,5 kg)
- Quick coupling connection for plugable cable hose package (4 m)
- High welding currents even with low fuse protection, high output currents up to 13 kA
- Digital welding control with quality assurance system and display, precise process regulation
- Update-ability via USB-interface
- Printout of the welding parameters via SpotQS-Viewer Software



Transformer C-Gun / Optional (incl. 4 C- arms)

Easily exchangeable and directly watercooled electrode arms with throat depths of 40 - 500 mm allowing the usage in almost any kind of situation. The normal opening width can be extended by opening the quick release. This results in an easier positioning of the welding gun when there are obstacles in front of the spot weld position which must be enclosed.

The 3-step function enables precise pre-positioning of the electrodes in the first step, with subsequent build up of surface pressure in the second step and triggering of the „weld start“ in the third step. The transformer C- gun possesses a 360 degree orbital ring, so that the arms can be optimally adjusted to the position of the handle.



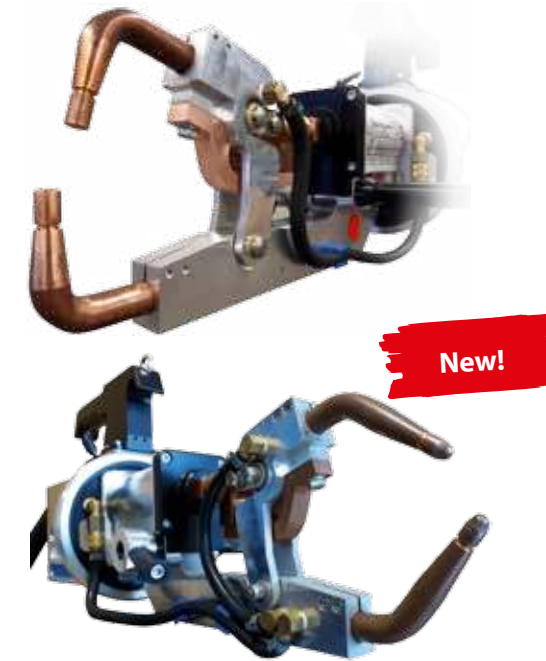
Transformer X-Gun

Standard electrode arms from 150 mm to 550 mm. Special electrode arms on request.



X-Gun adapter

X-gun adapter arm for transformer C-gun



Car body tools

Full Package

PREMIUMspot VISION (Replacement of MIDISpot VISION QSVM 9000/12000T)

Multifunction spot welding machine in the premium class with complete software package for worry-free automotive repair!

- Welding process-control software VM2
- Complete software package
- High welding currents even with low fuse protection
- High output currents >13 kA
- High quality performance „spot by spot“
- Energy control, parallel resistance detection
- Reproducible welding quality
- Welding parameters can be updated via USB-stick at any time
- Welding data documentation with the use of Spot QS Viewer (optional)
- Equates to the exposure limit values of the EU-Directive 2004/40/ EG



Fig. 1 Multifunction gun with pulling hammer (2500 mm cable length) for dent removal, pulling, push spotting and tacking

Fig. 2 Accessories box for pulling

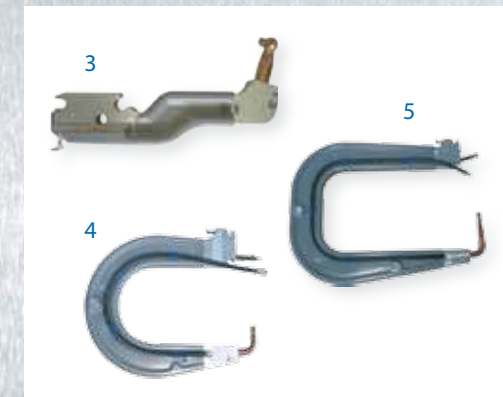


Fig. 3 C-arm „special“ (isolated)

Fig. 4 C-arm 350 mm (isolated)

Fig. 5 C-arm 500 mm (isolated)

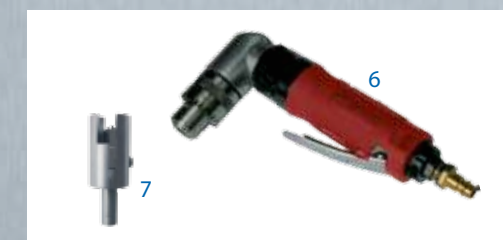


Fig. 6 Special electrode cap milling machine for quick and easy copy-milling of electrode caps incl. tip dresser (fig. 7)



Aluminum welding for thin aluminum sheets up to 3 mm !



Welding helmet



Standard welding torch



Gas distributor



Gas nozzle

Current nozzle



Welding wires
Steel SG2-3
Brazing CuSi, 3CuAl9
Stainless steel CrNi
Aluminium AISi5, AlMg3



MIG - brazed seam



Alu - weld seam



Torch actuator

The best-selling pulsed arc welding machine in the collision repair

MIDI MIG 300/800 P G/W



MIDI MIG 300/800 P G/W with carriage



Simple and rugged versatile welding machine

MIG 202

Control, operating panel



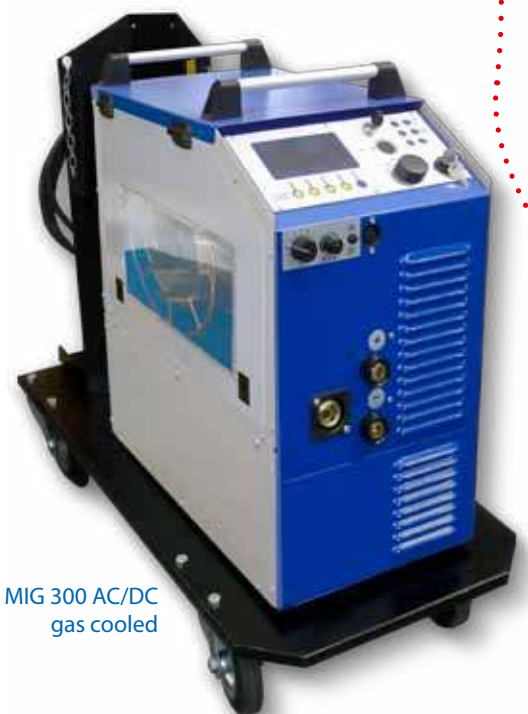
Assurance of production quality by vehicle-specific default parameters programmed into the machine, which can be updated via the USB-stick at any time. Secure long-term investment, thanks to flexible control-system technology and updating of the "Virtual Machine" developed by ELMATECH for the most different welding processes.

Multifunctional welding machine MIDI MIG 300 AC / DC



MIDI MIG 300 AC/DC water-cooled

Especially suitable for the welding of thin aluminum sheets < 1 mm



MIDI MIG 300 AC/DC gas cooled

Versatile arc-welding machine MIG 240 DUO



Compact, rugged and versatile MIG/MAG arc-welding machine KARoMIG



AXIAL GRINDER



HL-cherry

HL-cherry

SPOT WELD CUTTER



EC

DC

TC

TCHD

Easy boring and milling also of high-strength sheets



Fig. 1 Accessories box



Fig. 2 Standard electrode cap Ø 13 mm

Fig. 3 Standard electrode cap Ø 13 mm L=12 mm

Fig. 4 Special electrode cap Ø 13 mm

Fig. 5 Standard electrode cap Ø 16 mm L=22 mm

Fig. 6 Special electrode cap M8 for ball head electrode



Fig. 7 Electrode cap for single sided gun Ø 13 mm

Fig. 8 Spade electrode cap

Fig. 9 Electrode cap form D, conical

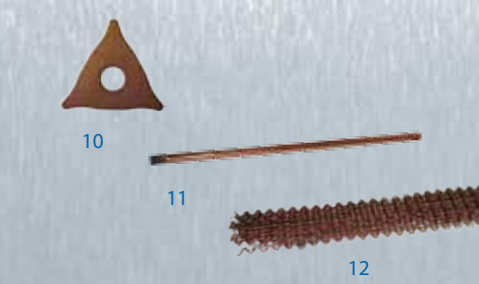


Fig. 10 Panel pull triangle (pack of 20 pcs.)

Fig. 11 Carbon electrode

Fig. 12 Squiggly wire (pack of 50 pcs.)



Fig. 13 Special electrode key



For years, the welding technology of ELMA-Tech has won thousands of users not only on the car repair market or in the body work.

With the mode for fully automatic resistance spot welding ELMA-Tech has created a legendary piece of control technology.

When will you weld with ELMA-Tech?

Your local dealer