

system **MULTISPOT** - *worldwide the most sold spot-welding machines*

## **MULTISPOT MI-100control**

**INVERTER** - Process-sure spot welding by impedance measuring

**The spot welding equipment for the qualified body shop**

**with C-Pliers and/or X-Pliers**

- Recognition and compensation of disturbing factors: e.g. primer, glue, antirust lacquer.
- Manufacturers welding programmes recallable.  
Update for new vehicles at any time via Compact Flash Card.
- Own welding programmes may be issued and stored under own name.
- Quality proof by logging of all important welding data, if desired together with the order data.
- Constant weld results in the quality requested by the car manufacturer.
- Equipped for all welding duties at the body - now and in the future. Quick fixing of the requested spot welding pliers or spot welding gun by means of central connection.

*Recommended by*

**AUDI**  
**BMW**  
**DAIMLER CHRYSLER**  
**OPEL**  
**PORSCHE**  
**VOLKSWAGEN**



MULTISPOT MI-100control with  
C-Pliers MC-5000 and heat-exchanger

## Technical Data

### MULTISPOT MI-100control

Power supply unit	400 V (380 V - 415 V)
Mains (other mains on request)	3 x 400 V (3ph.)
** Fuse	32 A slow blowing
Mains connection cable Ø / length	6 mm <sup>2</sup> / 10 m
Mains frequency	50 / 60 Hz
Mains supply power / 20 % ED	60 kVA
Nominal power / 50 % ED	25 kVA
Open-circuit voltage max.	23 V DC
Welding current max.*	12000 A DC
Ambient temperature	40° C
Protective system	IP 21
Power supply unit (mobile)	
Dimensions H/W/D mm incl. handle	925 / 650 / 645
Weight without accessories	approx. 100 kg
** 63 A slow blowing – recommended for critical mains conditions	

#### Standard executions:

### MI-100control

#### with C-Pliers MC-5000 (with C-Arm 160 LC)

Power supply unit (mobile)
Cooling unit
Linear-Balancer
Welding gun air-cooled (incl. Extractor tool) for spot welding, dent pulling, stud welding, shrinking
Service box equipped
Cable holder

### MI-100control

#### with X-Pliers MX-4900

(with Electrode set 190)
Power supply unit (mobile)
Cooling unit
Linear-Balancer
Welding gun air-cooled (incl. extractor tool) for spot welding, dent pulling, stud welding, shrinking
Service box equipped
Cable holder

**Central connector, welding cable and electrodes are water-cooled.**

### C-Pliers MC-5000

(pneumatic, water-cooled, fitted as standard with C-Pliers 160 LC and pilot cable for impedance measurement )



Weight (at the handle) with C-Arm 160 LC	8 kg
can be reduced with balancer to	0,5 - 1,5 kg
Operating pressure	8 bar
Clamping force	360 daN at 8 bar 450 daN at 10 bar
Welding cable Ø / length	150 mm <sup>2</sup> / 2,5 m

### High-Power Pliers MX-4900

(pneumatic, water-cooled, fitted as standard with electrode set 190)



Weight (at the handle) with 190 mm Electrode set	10 kg
can be reduced with balancer to	0,5 - 1,5 kg
Operating pressure	8 bar
Electrode force	up to 440 daN
Welding cable	150 mm <sup>2</sup> / 2,5 m
(* Welding cable 120 mm <sup>2</sup> / 1,6 m upon request)	

### Welding gun water-cooled

The welding gun is water-cooled up to the tips and thus allows a higher duty cycle! It is a professional solution for single sided spot welding for busses, trucks, vans, pick-ups and small body fabrication.