

TRANSFORMATOR INDUSTRIAL SPOT WELDING GUNS CM & VR / CR

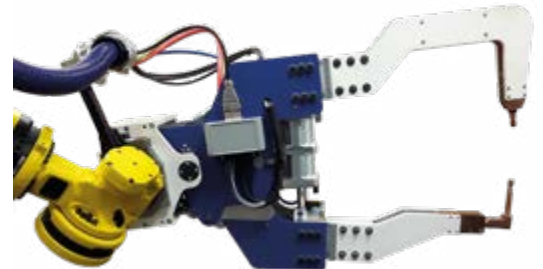
FEATURES

- 10 kHz medium-frequency transformer, weighs 7.5 kg
- Minimal gun weights ensure faster and far easier handling in production; 2/3 lighter than conventional guns, which means a 70% weight reduction for the operator or robot
- High output currents of up to 15 kA
- Automatic adjustment of electrode force
- Fast-acting servo-proportional valve built directly into the gun
- Automatic sheet thickness detection
- Orbital ring height-adjustable
- Complete hose and cable set (10 m) can be disconnected via quick-release
- Shut-off valve for water supply (non-return valve in return line) for cap change
- Cylinder, piston rod and main bearing guided in precision needle bearings

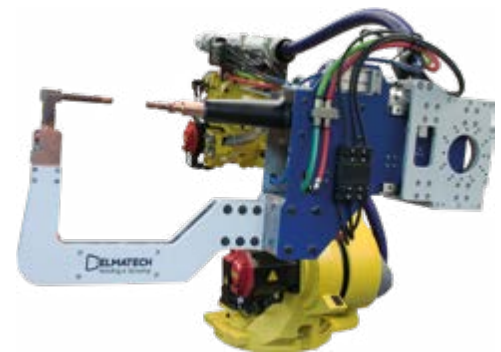
CM = C-version for manual production

CR = C-version for robot-guided production

VR = V-version for robot-guided production



ELMA-VR



ELMA-CR



ELMA-C-AV (80 mm)



ELMA-X-AV (250 mm)

TRANSFORMER SPOT WELDING GUNS X-AV & C-AV

FEATURES

- 10 kHz medium-frequency transformer weighs 4 kg
- Minimal gun weights (depends on fitting)
- Automatic sheet thickness detection
- Automatic adjustment of electrode force
- High output currents
- Ultralight hose and cable set (6 or 10* m)
- Orbital ring 360°
- C-AV:
 - Electrode arm quick-change system
 - Standard electrode arms: 40 - 500 mm submerged depth
 - Extension of opening angle by loosening the tension lock
- X-AV:
 - Precision needle bearing mechanism
 - 25° maximum opening angle
 - Standard - electrode arms up to 450 mm