

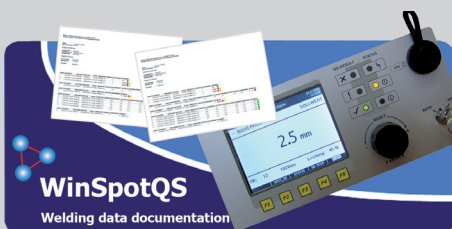
CTR12000 Spot Welder

Fully automatically spot welding machine

Fully automatic process-regulated, multiple function spot welding machine with medium frequency inverter operation and liquid cooled, designed for the repair of vehicle bodywork, particularly of components made of high or maximum strength and also coated or laminated steel panels with clear quality assurance regarding welding process (welding results).



- Automatic recognition of total sheet thickness via Pulse-Sonar-System
- Automatic recognition of material type (normal / high strength) via Virtual Generator
- Automatic definition of nugget diameter via total energy input
- Transformer C-spot welding gun in 10 kHz technology
- Welding data documentation with the use of WinSpot QS-Software
- High output currents up to 12 kA
- High quality performance “spot by spot”
- Reproducible welding quality
- Easily upgradable via USB port



Welding Data Documentation

With the welding data documentation WinSpotQS* welding parameters for spot-weld joints are displayed and evaluated according to the specific vehicle. What is meant here is e.g. the selected program, the material thickness, electrode force, welding result etc.

After completion of a welding task the parameters as well as the welding result are written onto the USB-Stick. The result of a spot weld is reflected in the image of the QM indicator light in the operator panel. *optional accessory, not included in base welder package.

“Virtual Machine”- programmable intelligence

The term “Virtual Machine” refers to innovative control technology with integrated quality assurance management designed to monitor the joining process from end to end, beginning with a definition of the initial situation regarding the items to be joined, and termination with the carrying-out and completion of weld.

Progress can be tracked using QM TM traffic light indicator.

The system of quality assurance management includes a database containing all the required processing parameters, classified by type and thickness of material. An automatic start up blocker prevents the main-supply fuses from being overloaded.

Data transfer and storage is carried out with a user-friendly MMC / USB Stick (depends on type of machine).



TECHNICAL DATA

Spot Welder VISION

Max voltage: 208V 3 phase
460V 3 phase
50-60Hz

Max power: 75 kVA

Fuse: (delayed action): 16-32 A ***

Protection type: IP21
Insulation class: F
Compressed air supply: 8 bar

Power unit for transformer gun (10 KHZ)

Output current: 0-200 A
Output voltage: 560V

Cooling

Cooling power: 1000W
Tank capacity: 20 liter
Flow rate: 6liter / minute

Configuration

Dimensions (HxWxD) approx: 1220 x 680 x 800mm
Approx. weight: 210 lbs

Welding Circuit

Welding current: ca. 12 kA
No-load voltage: 12,5 V DC

Mechanical data

Electrode force: 0-5 kN
Weight (dep. fitting) approx.: 24 lb
Cable length: >19 ft

The CTR12000 includes following Yokes

C-Gun 40 mm throat depth, air -cooled



C-Gun 80 mm throat depth, cooled



C-Gun 350 mm throat depth, cooled



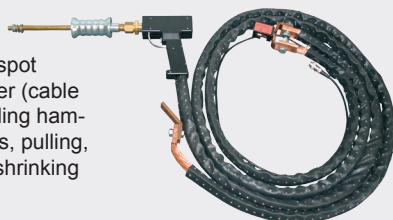
C-Gun 500 mm throat depth, cooled



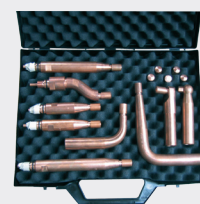
** Special voltage versions available : 220/230V, 460V *** Recommendation 32A (delayed action)

ACCESSORIES

Multifunction push spot welding gun / spotter (cable length 8 ft) with pulling hammer, for dent repairs, pulling, push-spotting and shrinking



Accessories case, electrode set C-Gun



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