



*Last update 06<sup>th</sup> February 2024*

## **"TELWIN" 25kVA HAND OPERATED SPOT WELDER**



*220volt at 50hz 2.5kVA Air-cooled Handheld Spot-Welding Machine.*

### **DESCRIPTION:**

Single-phase, portable, microprocessor controlled, spot welding machine. It implements a new "fuzzy logic" control system that simplifies its use and increases the spot-welding quality. Suitable for spot welding of sheets of max. Thickness 2+2 mm. Automatic adjustment of welding time and current with respect to the thickness of the material, choice between continuous and pulsed operation (suitable for sheets with high yield points - high stress), arms pressure adjustable from 40 kg to 120 kg (with arms  $l = 120$  mm).

What we wish to offer is an air-cooled spot welder with built in transformer and built in synchronized timer/thyristor unit. The machine comes complete and needs only to be fitted with a 220volt plug to be ready to weld. This spot welder uses a hand clamping mechanism to hold and spot weld mild steel and stainless-steel sheet together up to a combined thickness of 2mm on standard 125mm arm length.

***Please note: This machine does not have sufficient welding current to weld aluminum.***



1. The machine will be fitted with CuCrZr copper arms with have a throat depth of approx. 125mm. Special arm sets can be designed and manufactured to suit the client's operation.
2. The weight of the unit with standard 125mm long arms are 10kg. The machine can develop from 40kg to 120kg tip force on standard arm length of 120mm.
3. The timer and thyristor system for this machine comes built into the rear of the spot gun. In built thyristor unit, stubbing and protection circuits.
4. Synchronized timing system. The timing functions include cycle time in Hz 02 cycles to 65 cycles, phase heat or heat adjustment from 40% to 100% of output current.
5. On standard setup the machine will delivery 6300amps of welding current at a 2,5ocv voltage on a 125mm throat depth at 2 welds per minute.

**TECHNICAL DATA:**

Ean Code	8004897465654
Mains Frequency	50- 60 Hz
Single Phase Mains Voltage	230 V
Max Absorbed Power	13kw
Rated Power X=50%	2.3kw
Mains Fuse	25a
Power Factor	0.9φ
Secondary No Load Voltage	2,5V
Max Spot-Welding Current	6300 A
Max Weld Thick On 2 Sheets	1 + 1mm
Duty Cycle	1.5%
Insulation Class	B
Protection Degree	Ip20
Dimensions (L x W x H)	440 X 100 X 185 Mm
Weight	10,3 kg