



900 W Small Spot Welder

TECH-SONIC'S US-935S is the ultimate machine for welding cylindrical batteries and various delicate applications. Its lower power and higher frequency are ideal for batteries used in mobile phones, credit cards, and other small electronic devices.

High Efficiency

- Reduced operational costs
- Reduction in tooling consumption
- Less defects with superior quality welds
- Knurling lasts longer due to multi-step welding

Superior Accuracy & Control

- CLQC "Closed Loop Quality Control" software monitors welding tolerance windows for quality control
- Single micron resolution
- Consistent measurement and ultrasonic output produce high cPk values
- Multi-step welds with unique force and amplitude parameters

CLC Ultrasonic Spot Welding Machine Technical Specifications

As the production of electric vehicles (EVs) continues to grow, the need for precise welding of cylindrical battery cells is becoming increasingly critical.

For delicate applications, TECH-SONIC introduces its 900W servo ultrasonic spot welder, model US-935S. It possesses many of the same features as its 3.6kW CLC companion in a scaled down version to weld with much smaller delicate parts. The lower power and higher frequency make this ultrasonic spot welder the ideal solution for delicate applications.

SPECIFICATIONS

Frequency	35 kHz nominal
Ultrasonic Power	900W max power supply
Applications	Small spot welding
Supply Power	230 V/1 phase (+10% and -5%) 20 Amp max, Nema 6-20r outlet
WeldForce	~440 Newton maximum
Weldhead	18.2 kg / 20.0 x 7.0 x 18.0 cm 40 lb / 8.0 x 2.8 x 7.1 inches
Controller Cabinet	33 kg / 50.8 x 22.9 x 61.0 cm 71 lb / 16.0 x 9.0 x 20.0 inches
Software	Windows 10/CE
Visual Display	15.5 inch touch screen display
Additional Options	Table Barcode Scanner



WELDING CAPABILITIES

Material Type	Copper (Cu) Aluminum (Al)
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