

SPOT WELDING MACHINE



US-3620S

**The world's first ultrasonic
spot welder integrated
with closed-loop control**

FEATURES

High Efficiency

- Reduced operational costs
- Reduction in tooling consumption
- Less defects with superior quality welds
- Wide range of foil configurations

Network Compatible

- Logs all parameters and input/output data
- Saves last 20,000 welds; export via USB or TCP/IP
- Customizable to fit most IT communication systems

Superior Accuracy & Control

- Detects a single missing or additional battery foil within a stack of 60 foils
- Single micron resolution
- Consistent measurement and ultrasonic output produce high cPk values
- Multi-step welds with unique force and amplitude parameters

Dynamic Feedback

- Active closed-loop force monitoring
- Measurement of pre-weld and post-weld height
- Ability to change force and amplitude during the weld cycle to optimize parameters for application

Specifications

Frequency 20 kHz nominal

Ultrasonic Power 3.6 kW max power supply

Supply Power 230 V/1 phase (+10% and -5%) 20 Amp max, Nema 6-20r outlet

WeldForce ~3,000 Newton maximum

Weldhead 59 kg / 53.3 x 25.4 x 50.8 cm
130 lb / 21 x 10 x 20 inches

Controller Cabinet 33 kg / 50.8 x 22.9 x 61.0 cm
70 lb / 7.9 x 9.0 x 24.0 inches

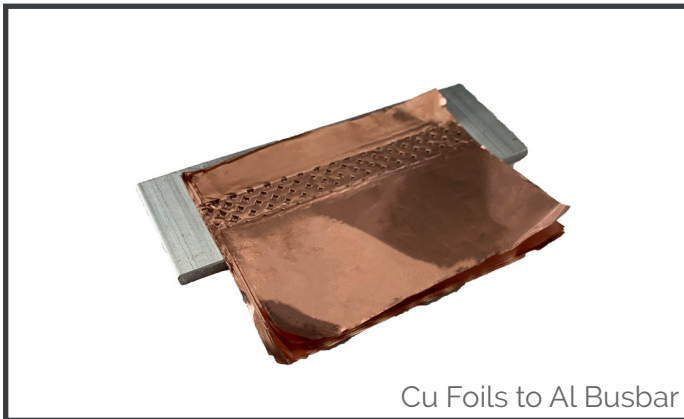
Software Windows 10

Visual Display 15.5 inch touch screen display

Additional Options Table
Barcode Scanner

Welding Capabilities

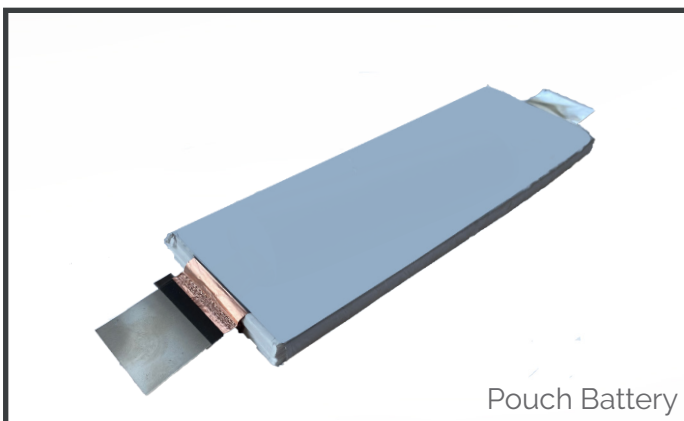
Material Type Copper (Cu)
Aluminum (Al)



Cu Foils to Al Busbar



Assorted Battery Applications



Pouch Battery

TECH-SONIC, INC

2710 Sawbury Blvd. Columbus, OH 43235 USA

+1-614-792-3117

www.tech-sonic.us

e-mail: info@techsonicultrasonic.com