

# Ultrasonic Wire Splicer

## US-3020WN

*Eco-Friendly & Efficient  
Ultrasonic Wire Splicing*



### Specifications

<b>Frequency</b>	20 kHz nominal
<b>Ultrasonic Power</b>	3.0 kW max Power Supply 220-240 VAC single phase; 16 Amp max; Nema 6-20r outlet
<b>Pneumatic Pressure</b>	6.5 bars / 94 psi; Air Filter built-in; requires 6mm OD Hose
<b>Weld Force</b>	~1,600 Newton maximum
<b>Weldhead</b>	12 kg / 19.05 x 50.8 x 20.32 cm 26.5 lb / 7.5 x 20 x 8 inches
<b>Controller Cabinet</b>	33 kg / 50.8 x 70 x 22.9 cm 71 lb / 9 x 20 x 16 inches
<b>Visual Display</b>	17 inch LCD display and mouse
<b>Additional Options</b>	Wire Cutter Barcode Scanner

### Welding Capabilities

<b>Cross Section Area</b>	0.5mm <sup>2</sup> - 34mm <sup>2</sup>
<b>Wire Type</b>	Copper (Cu) Aluminum (Al)

### Versatile Design

- Simple one-step calibration using a 3mm pin gauge
- Ability to weld cross section area ranging from 0.5mm<sup>2</sup> - 34mm<sup>2</sup>
- Easy access for maintenance and tooling change

### Eco-Friendly & Efficient

- Operates at 20 times less energy than resistance welding
- No need for outside consumables used in current crimping and soldering methods
- Produces strong joints with high thermal and electrical conductivity
- Tooling can last over one-million welds with small splices

### Precision Quality

- Consistent measurement and ultrasonic output produce high cPk values
- Measurement of pre-weld and post-weld height

### Network Compatible

- Logs weld height, weld energy, & weld time
- Saves last 20,000 welds; export via USB or TCP/IP

# **T** TECH-SONIC

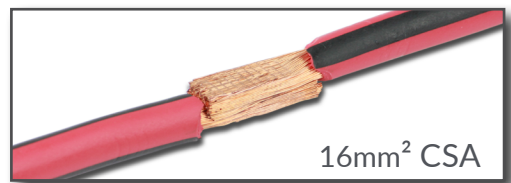
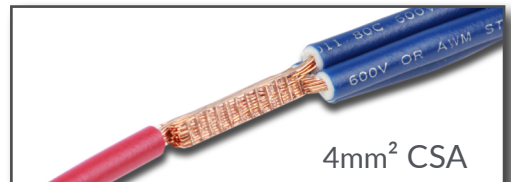
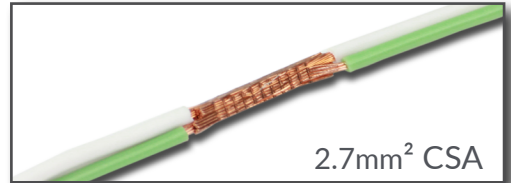
## ULTRASONIC METAL WELDING

### **Proven Solution in the Automotive Wire Harnessing Industry**

TECH-SONIC has been providing industry support on a Multi-National level for over two decades



US-3020WN Ultrasonic Controller Cabinet



## **TECH-SONIC offers comprehensive multi-national support and service!**

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## TECH-SONIC US-3020WN Wire Splicer Video Links



### **YouTube**

[US-3020WN Pneumatic Wire Splicer Demo](#)

### **Vzaar (International Safe Link)**

[US-3020WN Pneumatic Wire Splicer Demo](#)