

# RING TERMINATION MACHINE



## US-3620SRT

**The world's only ultrasonic  
ring termination welder  
that meets USCAR-38  
requirements**

## FEATURES

### High Efficiency

- Reduced operational costs
- Reduction in tooling consumption
- Less defects with superior quality welds
- Wide range of wire 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 wire at 0.35mm<sup>2</sup> or 3% total CSA
- Detects retracted wires from weld area, and added insulation into the weld area
- 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

**Pneumatic Pressure** 6.5 bars / 94 psi; Air Filter builtin; requires 6mm OD Hose

**WeldForce** ~3,000 Newton maximum

**Weldhead** 113 kg / 40.6 x 76.2 x 58.4 cm  
250 lb / 16 x 30 x 23 inches

**Controller Cabinet** 34 kg / 40.6 x 22.8 x 50.8 cm  
75 lb / 16 x 9 x 20 inches

**Software** Windows 10

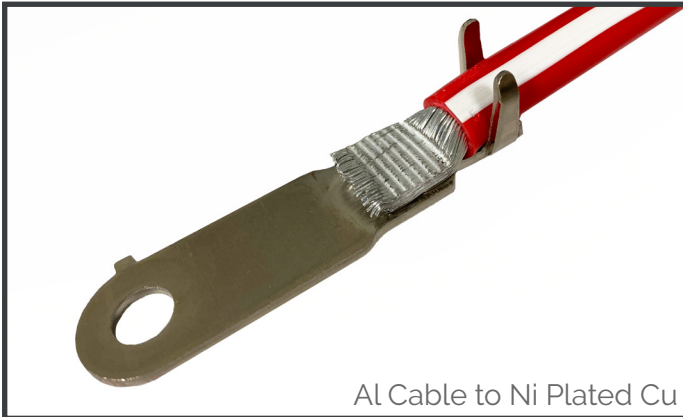
**Visual Display** 15.5 inch touch screen display

**Additional Options** Bad Wire Cutter  
Barcode Scanner

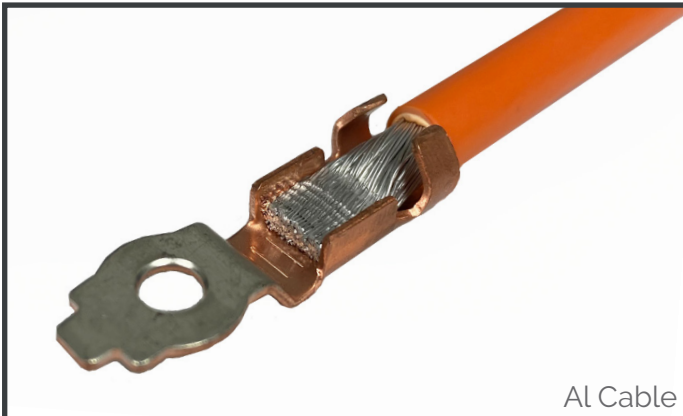
## Welding Capabilities

**Cross Section Area** Up to 36.0mm<sup>2</sup>

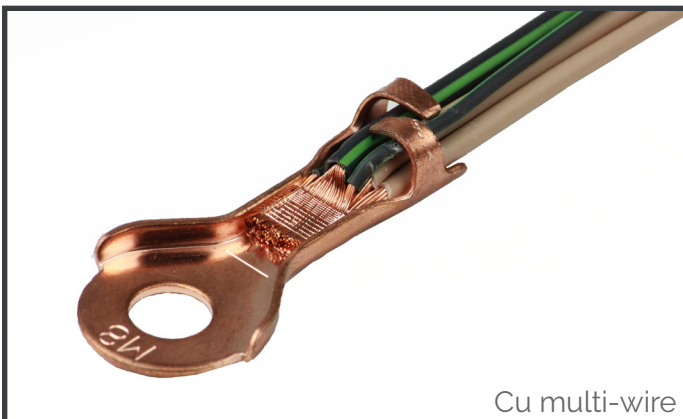
**Wire Type** Copper (Cu)  
Aluminum (Al)



Al Cable to Ni Plated Cu



Al Cable



Cu multi-wire

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