

CABLE TERMINATION MACHINE

US-3620STH

**The world's first ultrasonic
cable 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 0.35mm² 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 ~4,700 Newton maximum

Weldhead 113 kg / 77.5 x 44.5 x 75.0 cm
250 lb / 30.5 x 17.5 x 29.5 inches

Controller Cabinet 50 kg / 61.0 x 33.0 x 61.0 cm
111 lb / 24 x 13 x 24 inches

Software Windows 10

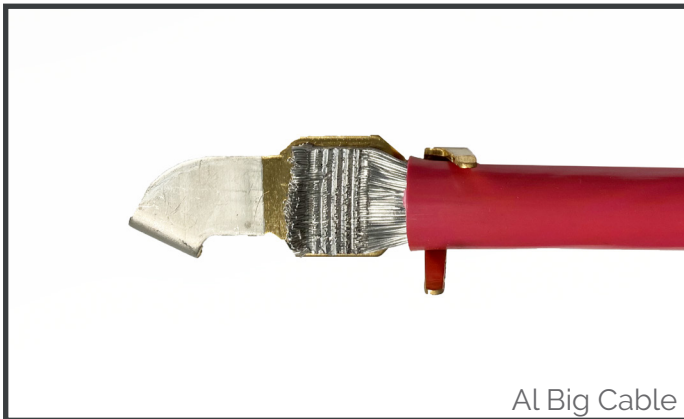
Visual Display 15.5 inch touch screen display

Additional Options Bad Wire Cutter
Barcode Scanner

Welding Capabilities

Cross Section Area Up to 50.00mm² Cable

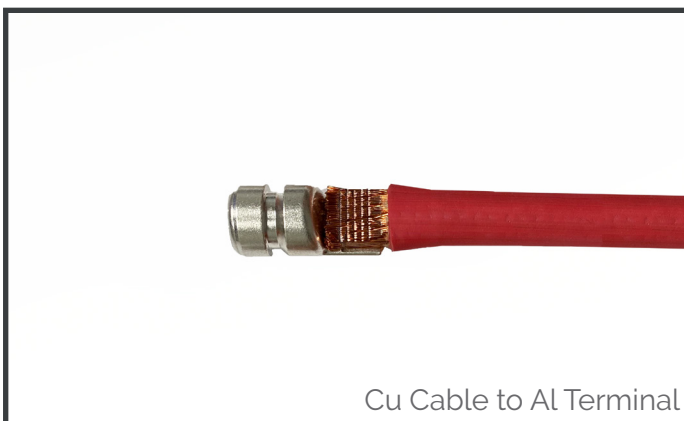
Wire Type Copper (Cu)
Aluminum (Al)



Al Big Cable



Cu Big Cable



Cu Cable to Al Terminal

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