

Ultrasonic Splice Master



Joining Of NonFerrous Metal Wires

SPLICE MASTER is an Ultrasonic wire splicing solution designed to deliver flawless, strong, and long-lasting joints for copper, aluminium, and mixed wires. Tailored for mission-critical industries, it ensures consistent quality with intelligent process monitoring and advanced data intelligence.

RTUL offers high-power, high-precision ultrasonic equipment for wire splicing in the automotive industry. The Splice Master ensures superior electrical conductivity and durability in wire harnesses, delivering reliable, long-lasting connections.

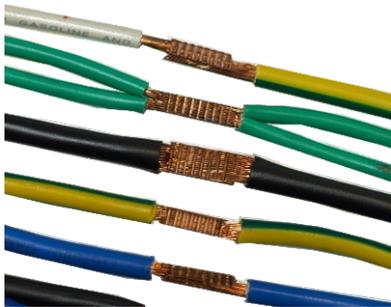
POWERHOUSE OF ULTRASONIC TECHNOLOGY®



Technical Specification:

Model No	SM 3	SM 4.5
Splicing range	0.26 mm ² to 40mm ²	2.5mm ² to 75mm ²
Frequency	20 KHz	20 KHz
Power Output	3000 W	4500 W
Opening width	Max 10.5 mm	Max 10.5 mm
Module Weight	13 kg	18 kg
Main Power supply	Single Phase	Three Phase
Compressed Norm/air max	5 bar/7 bar	7 bar/10 bar

Key Features

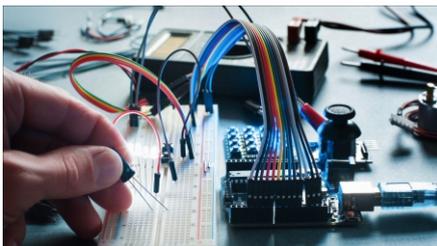


- Ultrasonic Technology: 20kHz frequency for precision non-ferrous wire bonding
- User Interface: Siemens touchscreen with multi-language support
- Quick Maintenance: Tool-free anvil change & auto tool calibration
- Auto Stroke Adjustment: For various wire sizes
- Good/Bad Weld Indicator: Ensures immediate visual quality feedback
- Compact & Portable: Lightweight and ergonomic design

Performance Advantages

- Superior Electrical Conductivity
- Low Energy Consumption
- Consistent, Repeatable Welds
- Audit-Ready Traceability
- Reduced Scrap & Rework
- Quick ROI & Energy Efficiency
- Stability & Reliability
- Guided anvil and rigid sonotrode mount
- Generator amplitude stability (±2%)
- Auto calibration on startup & tool changes

Applications



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