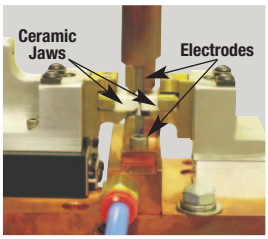
MC-1301-STA/ MC-1301-IS

Wire Welding & Compacting Solutions



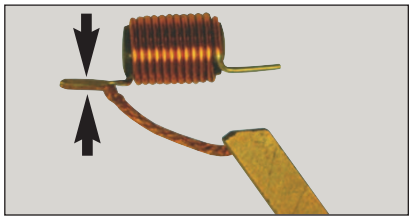
AMADA WELD TECH's MC-1301 wire compactor is specifically designed for solid and stranded wire welding applications. The unique compacting mechanism produces a solid fused weld joint with single or multiple parts. Tungsten electrodes with ceramic tooling inserts heat, weld and compact the flow of metal from the sides. The system utilizes either an AC or inverter welding power supply and a stacked cylinder design which permits a wide range of force control.

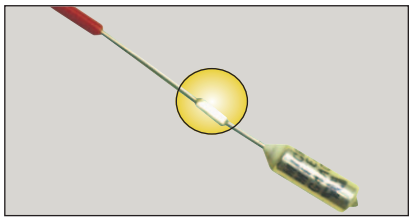
Applications include wire welding, wire harness welding, compacting of stranded wires prior to welding and multiple wire assemblies.

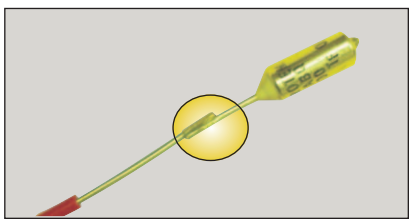
KEY FEATURES

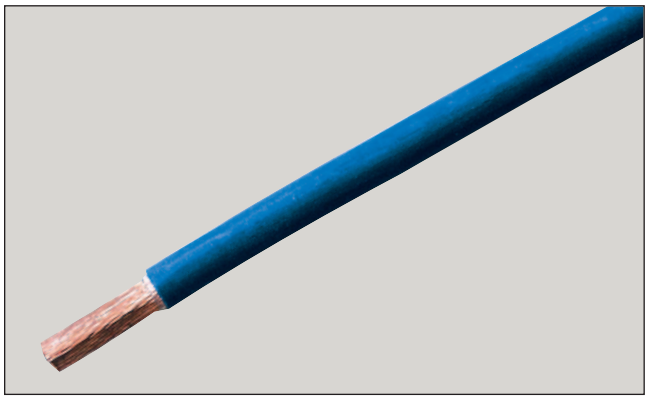
- Ceramic jaws hold parts during the welding operation producing a solid fused weld joint
- Easy set up and maintenance
- Closed loop welding control
- Inverter or AC weld transformer integrated into head package
- Water-cooled electrodes

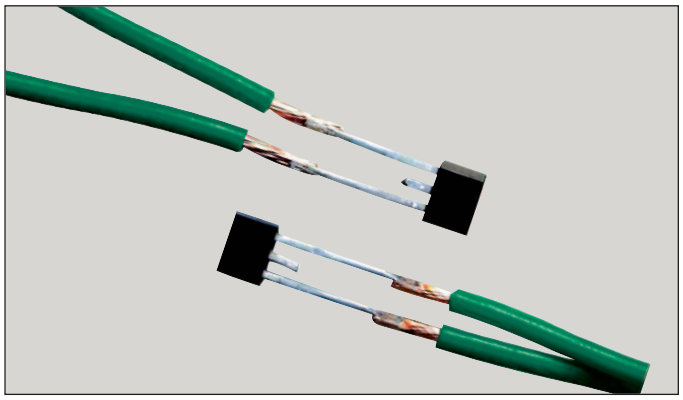
TYPICAL APPLICATIONS











TECHNICAL SPECIFICATIONS

	MC-1301-STA & MC-1301-IS	
Electrode air cylinder type	Dual cylinder, stacked, low friction cup type, no lube	
Force, cylinder 1, at 20 psi	38 lb (17 kg)	
Force, cylinder 1, at 80 psi	156 lb (71 kg)	
Force, both cylinders, at 20 psi	76 lb (34 kg)	
Force, both cylinders, at 80 psi	312 lb (142 kg)	
Electrode stroke	1.2 lb (40 kg)	
Standard electrode sizes	0.047 in x 0.236 in (1.2 mm x 6 mm) 0.059 in x 0.236 in (1.5 mm x 6 mm) 0.071 in x 0.236 in (1.8 mm x 6 mm)	0.079 in x 0.236 in (2.0 mm x 6 mm) 0.087 in x 0.236 in (2.2 mm x 6 mm) 0.098 in x 0.236 in (2.5 mm x 6 mm)

Welding System	MC-1301-STA	MC-1301-IS
Power supply	STA-100A AC weld control with air-cooled 300 amp SCR	ISB-300A inverter weld control with MA-627 A programming pendant
Transformer model **Rated output** **Control modes**	X7 7.5 kVA @ 50% duty cycle Secondary constant Current, % heat	IT-1040-3 40k VA at 50% duty cycle Secondary RMS, primary RMS, voltage RMS, power RMS, primary limit, fixed pulse
Monitoring	Current, optional voltage	Current, voltage, power, % pulse width

WEIGHT & DIMENSIONS

Dimensions (W x D x H)	Dimensions vary with options ordered. Contact AMADA WELD TECH.
Weight	Weights vary with options ordered. Contact AMADA WELD TECH.

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