

resistance welding

MC-1301-STA / MC-1301-IS

Wire Welding & Compacting Solutions

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

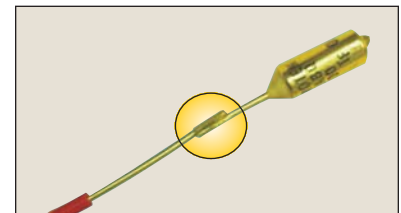
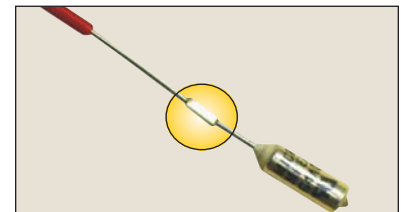
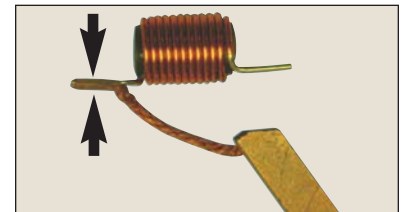


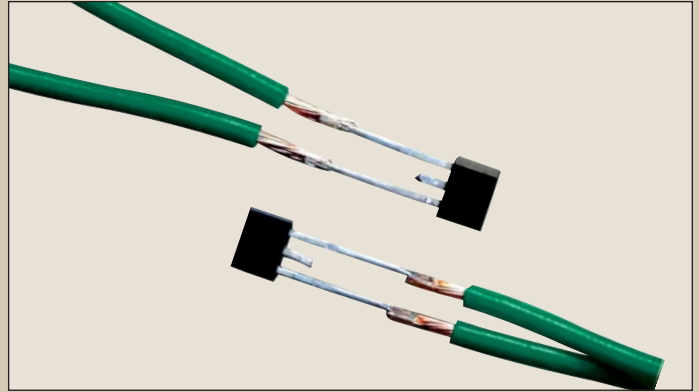
Miyachi Unitek's MC-1301 compactor is specifically designed for solid and stranded wire welding applications. The unique compacting mechanism produces a solid fused weld joint with single or multiple parts. Tungsten electrodes are designed to produce the weld heat and the ceramic tooling inserts compact the flow of metal from the sides. Either AC or inverter controls can be utilized for closed loop feedback control and a stacked cylinder design permits a wide range of force control.

Applications

- Wire welding
- Wire harness welding
- Compacting of stranded wires prior to welding
- Multiple wire assemblies

TYPICAL APPLICATIONS





SPECIFICATIONS

	MC-1301-STA & MC-1301-IS	
Electrode Air Cylinder Type	Dual cylinder, stacked, low friction cup type, no lube	
Force, Cylinder 1, Lbs. (kg) at 20psi	38 (17)	
Force, Cylinder 1, Lbs. (kg) at 80psi	156 (71)	
Force, Both Cylinders, Lbs. (kg) at 20psi	76 (34)	
Force, Both Cylinders, Lbs. (kg) at 80psi	312 (142)	
Electrode Stroke, Inches (mm)	1.2 (40)	
Standard Electrode Sizes, Inches (mm)	0.047 x 0.236 (1.2 x 6)	0.079 x 0.236 (2.0 x 6)
	0.059 x 0.236 (1.5 x 6)	0.087 x 0.236 (2.2 x 6)
	0.071 x 0.236 (1.8 x 6)	0.098 x 0.236 (2.5 x 6)

Welding System	MC-1301-STA	MC-1301-IS
Power Supply	STA-100A AC Weld Control with Air-Cooled 300Amp SCR	IS-120B Inverter Weld Control with MA-627A Programming Pendant
Transformer Model	X7	IT-1040-3
Rated output	7.5 kVA @ 50% Duty Cycle	40kVA at 50% Duty Cycle
Control Modes	Secondary Constant Current, % Heat	Secondary RMS, Primary RMS, Voltage RMS, Power RMS, Primary Limit, Fixed Pulse
Monitoring	Current, Optional Voltage	Current, Voltage, Power, % Pulse Width

Your Local Representative



Corporate Office: 1820 S. Myrtle Ave. • P.O. Box 5033 • Monrovia, CA 91017-7133 USA
 Tel: (626) 303-5676 • FAX: (626) 358-8048 • E-Mail: info@miyachiunitek.com
 Internet <http://www.miyachiunitek.com> • ISO 9001 Certified Company

EASTERN (USA) Sales Office:
 170 Cross Street
 Boylston, MA 01505
 Tel: (508) 869-0583
 FAX: (508) 869-0585
 E-Mail: eastsales@miyachiunitek.com

ASIA Sales Office:
 Unit D, 20/F, Infotech Centre
 21 Hung To Road
 Kwun Tong, Hong Kong
 Tel: +852 2833-6998
 FAX: +852 2833-6672
 E-Mail: asiapacific@miyachiunitek.com

UNITEK EAPRO:
 Schootense Dreef 21
 NL-5708 HZ Helmond
 The Netherlands
 Tel: +31 492-54-22-25
 FAX: +31 492-53-62-22
 E-Mail: info@unitekeapro.com

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