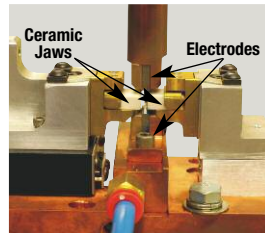


MC-1301-STA/ MC-1301-IS

Wire Welding & Compacting Solutions



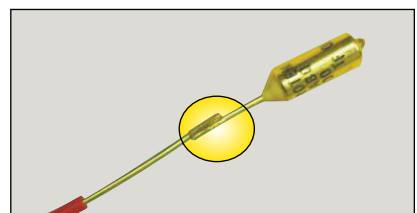
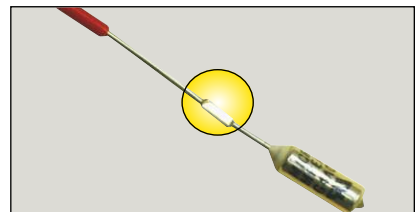
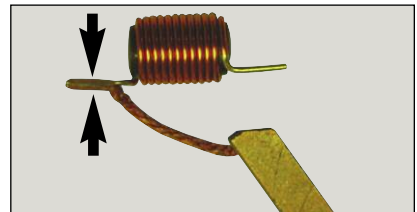
Amada Miyachi's MC-1301 **wire compactor** is specifically designed for solid and stranded wire welding applications. The unique compacting mechanism produces a solid fused weld joint with single or multiple parts. Tungsten electrodes with ceramic tooling inserts heat, weld and compact the flow of metal 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.

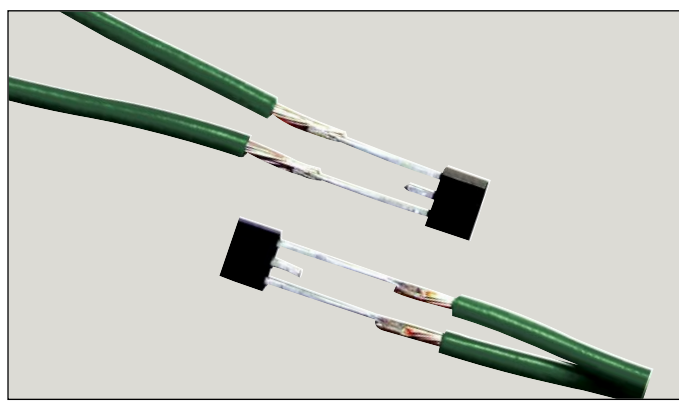
Applications include wire welding, wire harness welding, compacting of stranded wires prior to welding and multiple wire assemblies.

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	<table border="1"> <tr> <td>0.047 in x 0.236 in (1.2 mm x 6 mm)</td> <td>0.079 in x 0.236 in (2.0 mm x 6 mm)</td> </tr> <tr> <td>0.059 in x 0.236 in (1.5 mm x 6 mm)</td> <td>0.087 in x 0.236 in (2.2 mm x 6 mm)</td> </tr> <tr> <td>0.071 in x 0.236 in (1.8 mm x 6 mm)</td> <td>0.098 in x 0.236 in (2.5 mm x 6 mm)</td> </tr> </table>	0.047 in x 0.236 in (1.2 mm x 6 mm)	0.079 in x 0.236 in (2.0 mm x 6 mm)	0.059 in x 0.236 in (1.5 mm x 6 mm)	0.087 in x 0.236 in (2.2 mm x 6 mm)	0.071 in x 0.236 in (1.8 mm x 6 mm)	0.098 in x 0.236 in (2.5 mm x 6 mm)
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	MC-1301-STA	MC-1301-IS
Welding System		
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	X7	IT-1040-3
Rated output	7.5 kVA @ 50% duty cycle	40k VA 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

WEIGHT & DIMENSIONS

Dimensions (L x W x H)	Dimensions vary with options ordered. Contact Amada Miyachi America.
Weight	Weights vary with options ordered. Contact Amada Miyachi America.



AMADA MIYACHI AMERICA, INC.

1820 S. Myrtle Ave. • Monrovia, CA 91016 US
 T: (626) 303-5676 • F: (626) 358-8048
info@amadamiyachi.com • www.amadamiyachi.com
 ISO 9001 Certified Company • 24/7 Repair Service: 1-866-751-7378

AMERICAS

AMADA MIYACHI AMERICA (Midwest Office)
 Detroit, Michigan
 T: (248) 313-3078
midwestsales@amadamiyachi.com

AMADA MIYACHI DO BRASIL LTDA.
 São Paulo, Brasil
 T: +55-11-4193-3607
antonio.ruiz@amadamiyachi.com

EUROPE

AMADA MIYACHI EUROPE GmbH
 Munich, Germany
 T: +49-89-839403-0
infode@amadamiyachi.eu

ASIA

AMADA MIYACHI CO., LTD.
 Isehara, Japan
 T: +81-4-7125-6177
sales@miyachi.com

AMADA MIYACHI KOREA CO., LTD.
 Seoul, Korea
 T: +82-31-8015-6810
dykim@mkc.miyachi.com

AMADA (THAILAND) CO., LTD.
 Bangkok, Thailand
 T: +66-2170-5900
info@mtl.miyachi.com

AMADA MIYACHI INDIA PVT., LTD.
 Bangalore, India
 T: +91-80-4092-1749
info@miyachiindia.com

AMADA MIYACHI AMERICA (Mexico Office)
 El Paso, Texas
 T: (915) 881-8765
mxsales@amadamiyachi.com

AMADA MIYACHI SHANGHAI CO., LTD.
 Shanghai, China
 T: +86-21-6448-6000
jwu@msc.miyachi.com

AMADA MIYACHI TAIWAN CO., LTD.
 Taipei, Taiwan
 T: +886-2-2585-0161

AMADA VIETNAM CO., LTD.
 Ha Noi, Vietnam
 T: +84-4-6261-4583

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