Auto-Continuum™ Systems

Quick Specs

Industrial Automation
- Construction equipment
- Automotive components
- Recreational vehicles
- Farm machinery
- Office furniture
- Mining machinery

Processes
- Advanced MIG processes:
  - Versa-Pulse™
  - Accu-Pulse® MIG (GMAW-P)
  - RMD®
  - MIG (GMAW)
  - High-deposition MIG (GMAW)
  - Flux-cored (FCAW)

Input Power
- Auto-Line™ 230–575 V
  - 3-phase, 50/60 Hz

Rated Output at 104°F (40°C)
- 350: 350 A at 31.5 V, 100% duty cycle
- 500: 500 A at 39 V, 100% duty cycle

Output Range
- 350: 20–400 A, 10–44 V
- 500: 20–600 A, 10–44 V

Take your welding to the next level.

Next generation automation welding solution delivers advanced arc performance to improve throughput and weld quality.

The Auto-Continuum system features an adaptive arc with less spatter and improved gap handling, providing increased travel speeds and high-quality welds on a variety of base materials. Simple integration with fixed and flexible automation systems.

Insight

Integrated Welding Intelligence™ solutions. Delivers information to measure and improve your welding operation. See page 4 for more information.

Auto-Continuum 350 and Auto-Continuum wire drive motor assembly shown.

Power source is warrantied for three years, parts and labor. Original main power rectifier parts are warrantied for five years.

Miller Electric Mfg. LLC
An ITW Welding Company
1635 West Spencer Street
P.O. Box 1079
Appleton, WI 54912-1079 USA

Equipment Sales US and Canada
Phone: 866-931-9730
FAX: 800-637-2315
International Phone: 920-735-4554
International FAX: 920-735-4125

MillerWelds.com
Instagram
LinkedIn
ISO 9001 Quality
More power. Better reliability.

For demanding industrial applications.

**Power source design**

Smart and powerful digital design has the fast response needed to deliver the most stable welding performance for better welding results.

Developed as a platform to meet current and future needs with integrated expansion capabilities.

Produces more power at higher duty cycles and temperature ratings than competitive models.

- More power maximizes reliability in demanding automation applications by keeping all internal components operating cooler regardless of the jobs to be done.
- More power ensures better welding results regardless of application or weld process.

**Wire drive motor assembly**

Low-inertia motor provides faster response for the best arc starts with the least amount of spatter.

Reduced-weight design allows for quicker point-to-point arm movement and provides improved servo motor life.

- **Simple integration** from robot and power source
- **Wire drive motor assembly design** utilizes common Miller mounting configurations
- **Designed for easy integration** with fixed and flexible automation systems
- **Integrates** with major industrial robot brands
- **Simple retrofit** to existing automation systems

**Auto-Continuum 350: up to 26% more weld power**

11,000 watts versus 8,700 watts = 2,300 watts more!

(Continuum: 350 A x 31.5 V at 100% duty cycle = 11,000 watts)
(Competitor: 300 A x 29 V at 100% duty cycle = 8,700 watts)

**Auto-Continuum 500: up to 18% more weld power**

19,500 watts versus 16,425 watts = 3,075 watts more!

(Continuum: 500 A x 39 V at 100% duty cycle = 19,500 watts)
(Competitor: 450 A x 36.5 V at 100% duty cycle = 16,425 watts)
Webpages are an easy way to initialize and configure your automation welding system.

To use the webpage interface connect to the Auto-Continuum™ power source one of three ways:

- Connect to factory network via Wi-Fi
- Connect to factory network via Ethernet cable
- Direct connect to PC via Ethernet cable (see page 11 for recommended Ethernet cable)

Configure your robot settings to establish communication. Options include:
- EtherNet/IP™
- DeviceNet
- Analog

System status / event logs
- Access system logs to help identify weld cell issues (Example: can identify weld cable degradation)
Insight Welding Intelligence™

Transform data into actionable information that drives continuous improvement. Learn more at MillerWelds.com/insight

**Insight Core™ (Standard)**

Simplified, Internet-based welding information solution that reports cell productivity and weld parameter verification.

- Provides basic production metrics such as amps, volts, wire feed speed, arc on time and arc on time percentage

**Insight Centerpoint™ (Optional)**

Advanced, real-time feedback solution to ensure consistent weld quality.

- With built-in features like Part Tracking™ to detect a bad weld and Insight Reporter for preconfigured reports and management charts, Insight Centerpoint can help reduce rework costs and improve quality

Part Tracking actively detects a bad weld when it happens to reduce rework and improve quality.

- Detected weld errors due to poor parts fit-up, bent torch (due to colliding with a part), part loaded incorrectly, etc.
- Centerpoint can prevent the next weld from occurring if missing or out-of-spec welds are detected, to alert and direct the operator to which weld(s) are out of parameter, reducing inspection time
- Repair can be done at the weld cell before paint, final assembly, or finished product delivery, which significantly reduces the cost of rework and improves overall parts quality

Overall Equipment Effectiveness (OEE) — Centerpoint can provide data on weld cell efficiency.

- Robot on/off time
- Open cell door time tracking
- Duration of off time (due to parts shortage, fixture issue, etc)

Cost of a missed weld or defect

Part Tracking actively detects a bad weld when it happens to reduce rework and improve quality.
**Fleet standardization.** Auto-Continuum™ can be used for both automation and hand-held applications. 
*Note: To convert Auto-Continuum for manual weld applications, order feeder base (301431) and wire feeder drive (301216).*

**Adaptable** to a variety of fixed and flexible automation configurations and requirements.

**Welding Intelligence™** Improve your welding operations by increasing productivity, improving quality and managing costs with Insight Core™ (standard) and Insight Centerpoint™ (optional) welding information management systems.

**Easily add new processes and custom programs** via the USB interface.

**Parameter flexibility** allows the system to be set for voltage and wire feed speed control, or for voltage and amperage control.

**Communication protocol options:**
- EtherNet/IP™
- DeviceNet
- Analog

**Automation applications**

**Hand-held applications**
Auto-Continuum™ System Processes

Each weld program is designed for specific wire and gas combinations — for optimized performance.

Low spatter levels at high travel speeds is a requirement in automated welding. The Versa-Pulse process precisely controls the welding arc, significantly reducing spatter size and quantity over traditional processes.

The adaptive arcs of Versa-Pulse™ and Accu-Pulse® instantly make adjustments to handle weld tacks, large gaps and inconsistent parts. The result is higher quality welds and fewer weld defects.

Versa-Pulse™
- Fast, low-heat, low-spatter process — for high-speed automation on materials 1/4 inch (6.35 mm) and thinner
- Great for gap filling
- Shortest arc length/lowest pulse voltage for lower heat and lower spatter at higher speeds

Accu-Pulse®
- The most popular process for majority of industrial welding applications
- Most adaptive arc on 16 gauge (1.6 mm) and thicker
- Designed for all weld positions

RMD®
- Lowest heat process, best for gap handling
- Limited travel speed

High-deposition MIG
- Higher deposition rates than standard spray transfer on thicker materials
- Designed for welding applications in which spray transfer is preferred

MIG
- Lower spatter than traditional MIG welders
- Better arc performance with silicon bronze and coated materials

<table>
<thead>
<tr>
<th>Best for</th>
<th>Standard Spray</th>
<th>High-Deposition MIG</th>
<th>Accu-Pulse</th>
<th>Versa-Pulse</th>
<th>MIG Short Circuit</th>
<th>RMD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deposition</td>
<td>A</td>
<td>A</td>
<td>A</td>
<td>B</td>
<td>D</td>
<td>D</td>
</tr>
<tr>
<td>Gap Filing</td>
<td>D</td>
<td>D</td>
<td>B</td>
<td>B</td>
<td>A</td>
<td>A</td>
</tr>
<tr>
<td>Low Heat Input</td>
<td>D</td>
<td>C</td>
<td>B</td>
<td>A</td>
<td>A</td>
<td>A</td>
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<tr>
<td>Out-of-Position Welds</td>
<td>A</td>
<td></td>
<td>A</td>
<td>B</td>
<td>B</td>
<td>B</td>
</tr>
<tr>
<td>Low Spatter</td>
<td>A</td>
<td>A</td>
<td>A</td>
<td>A</td>
<td>C</td>
<td>B</td>
</tr>
<tr>
<td>Thick Metals</td>
<td>A</td>
<td>A</td>
<td>A</td>
<td>C</td>
<td>D</td>
<td>D</td>
</tr>
<tr>
<td>Thin Metals</td>
<td>B</td>
<td>A</td>
<td>A</td>
<td>A</td>
<td>A</td>
<td>A</td>
</tr>
<tr>
<td>Increased Travel Speed</td>
<td>A</td>
<td>A</td>
<td>A</td>
<td>A</td>
<td>B</td>
<td>C</td>
</tr>
</tbody>
</table>

Ratings A, B, C, and D are relative values. An “A” rating indicates a best fit between your performance needs and process.
A “blank” rating indicates that the process is not recommended for that application.
Weld Fume Control

Modifying your welding processes to include Versa-Pulse and Accu-Pulse is an effective way of reducing fumes at the source. These processes reduce fume generation by up to 50 percent over traditional CV MIG.

<table>
<thead>
<tr>
<th>Fume Weight as a Percentage of Wire Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>CV MIG</td>
</tr>
<tr>
<td>Accu-Pulse</td>
</tr>
<tr>
<td>Versa-Pulse</td>
</tr>
</tbody>
</table>

OSHA hierarchy of control

- Process Modification/Substitution
- Engineering Controls
- Work Practice Controls
- Personal Protective Equipment

Auto-Continuum™ System Features

**Tru-Feed™ technology** provides precise feeding operation for stable arc performance.

- **Low-inertia motor** provides faster response for the best arc starts with the least amount of spatter.
- **Balanced-pressure drive-roll design and tensioners** feed wire in its truest and straightest form for consistent feedability.

**Spring-loaded Accu-Mate™ connection** prevents the gun from being pulled loose.

**Wind Tunnel Technology™**: Internal air flow that protects electrical components and PC boards from dirt, dust, debris — greatly improving reliability.

**Fan-On-Demand™** operates only when needed reducing noise, power consumption, and the amount of airborne contaminants pulled through the machine.

**Quick-change dual-bearing drive rolls** give you more consistent wire feeding.

**Drive rolls and guides are common** with other Miller industrial feeders (use existing, not new parts).

**Inlet guide installation is toolless**.

**AUTO-LINE® Technology**: Allows for any input voltage hookup (230–575 V) with no manual linking. Provides convenience in any job setting and eliminates weld defects caused by dirty or unreliable power.

**Control display** for easy reference of weld parameters.

**Parameter flexibility** allows the system to be set for voltage and wire feed speed control, or for voltage and amperage control.
Auto-Continuum™ Specifications (Subject to change without notice.)

<table>
<thead>
<tr>
<th>Model</th>
<th>Amp/Volt Ranges</th>
<th>Rated Output</th>
<th>Amps Input at Rated Output, 50/60 Hz, 3-Phase</th>
<th>Max. Open-Circuit Voltage</th>
<th>Dimensions</th>
<th>Net Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Auto-Continuum 350</td>
<td>20–400 A 10–44 V</td>
<td>350 A at 31.5 VDC, 100% duty cycle</td>
<td>36.7 21.8 20.8 18.8 14.6 14.4 13.8</td>
<td>72 VDC</td>
<td>H: 27.19 in. (691 mm) (including lift eye)</td>
<td>130 lb. (59.4 kg)</td>
</tr>
<tr>
<td>Auto-Continuum 500</td>
<td>20–600 A 10–44 V</td>
<td>500 A at 39 VDC, 100% duty cycle</td>
<td>57.6 34.7 33.2 28.9 23.3 23.1 21.9</td>
<td>72 VDC</td>
<td>W: 17.5 in. (444 mm) D: 28.22 in. (714 mm)</td>
<td>150 lb. (68 kg)</td>
</tr>
</tbody>
</table>

*While idling.

Certified by Canadian Standards Association to both the Canadian and U.S. Standards.

Performance Data

Duty Cycle Chart

Mounting Specifications

Bottom View Power Source

- A: 16.093 in. (409 mm)
- B: 17.5 in. (444 mm)
- C: 17.375 in. (441 mm)
- D: 2.281 in. (58 mm)
- E: 26.172 in. (665 mm)
- F: .468 in. (12 mm) dia.
- G: .468 in. x 1 in. (12 x 25 mm)

Height: 27.187 in. (691 mm)
Width: 17.5 in. (444 mm)
Depth: 28.125 in. (714 mm)

Bottom View Wire Drive Motor

- A: 3.5 in. (89 mm)
- B: 4.36 in. (111 mm)
- C: 10 in. (254 mm)
- D: 3.56 in. (101 mm) (distance from mounting studs to power pin hole)
- E: 3.25 in. (83 mm)
- F: 10 in. (254 mm)
- G: 1/4 in.-20 mounting studs

Height: 8.75 in. (222 mm)
Width: 10 in. (254 mm)
Depth: 10 in. (254 mm)
Drive Roll Kits and Guides

Select drive roll kits from chart below according to type and wire size being used. Drive roll kits include four drive rolls, necessary guides and feature an anti-wear sleeve for inlet guide.

<table>
<thead>
<tr>
<th>Wire Size</th>
<th>V-groove for hard wire</th>
<th>U-groove for soft wire or soft-shelled cored wires</th>
<th>V-knurled for hard-shelled cored wires</th>
<th>U-cogged for extremely soft wire or soft-shelled cored wires (i.e., hard facing types)</th>
<th>U-groove for aluminum wires contains nylon guides</th>
</tr>
</thead>
<tbody>
<tr>
<td>.035 in.</td>
<td>151026</td>
<td>—</td>
<td>151052</td>
<td>—</td>
<td>265255</td>
</tr>
<tr>
<td>.040 in.</td>
<td>—</td>
<td>161190</td>
<td>—</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>.045 in.</td>
<td>151027</td>
<td>151037*</td>
<td>151053</td>
<td>151070</td>
<td>265256*</td>
</tr>
<tr>
<td>.052 in.</td>
<td>151028</td>
<td>—</td>
<td>151054</td>
<td>151072</td>
<td>265257</td>
</tr>
<tr>
<td>1/16 in.</td>
<td>151029</td>
<td>151039</td>
<td>151055</td>
<td>151072</td>
<td>265257</td>
</tr>
<tr>
<td>.068/.072 in.</td>
<td>—</td>
<td>151039</td>
<td>151055</td>
<td>151072</td>
<td>265257</td>
</tr>
<tr>
<td>5/64 in.</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>3/32 in.</td>
<td>—</td>
<td>151041</td>
<td>151058</td>
<td>—</td>
<td>—</td>
</tr>
</tbody>
</table>

*Accommodates .045- and .047-inch (3/64-inch) wire.

Nylon Wire Guides for Feeding Aluminum Wire

<table>
<thead>
<tr>
<th>Wire Size</th>
<th>Inlet Guide</th>
<th>Intermediate Guide</th>
</tr>
</thead>
<tbody>
<tr>
<td>.035 in.</td>
<td>221912</td>
<td>242417</td>
</tr>
<tr>
<td>.047 in.</td>
<td>221912</td>
<td>205936</td>
</tr>
<tr>
<td>1/16 in.</td>
<td>221912</td>
<td>205937</td>
</tr>
</tbody>
</table>

Note: U-groove drive rolls are recommended when feeding aluminum wire.
Auto-Continuum® with DeviceNet

DeviceNet Communication Cable   300021 20 ft. (6.1 m)
Auto-Continuum Digital Peripheral Cable   301104 20 ft. (6.1 m)

Auto-Continuum Analog

Analog Receptacle Kits
194793 ABB®
194791 FANUC®
194790 Motoman®
195002 Universal

One required per machine. 12-inch (305 mm) length. For analog communication with robot controls via 72-pin Harting connector on Auto-Continuum.

DeviceNet to Analog Adapter   301547
Adapts DeviceNet to analog communication. Includes 9-foot (2.7 m) DeviceNet communication cable.

Analog Robot Simulator   195030
Device simulates the analog commands of typical robots. It can be used as a diagnostic tool to determine power source functionality and isolate robot, power source or cable issues.

For All Auto-Continuum Models

ADAM DI/O Module
(Use model ADAM-6050-D available from advantech.com)
Provides a digital I/O interface for communication between a robot/PLC and Auto-Continuum power supply. The interface allows for the interaction of a robot or PLC and the Insight Centerpoint® application. This module is required for all DeviceNet and analog Auto-Continuum models to run Insight Centerpoint.

Motor Control Cables
263368025 25 ft. (7.6 m)
263368050 50 ft. (15.2 m)
263368080 80 ft. (24.4 m)
263368100 100 ft. (30.5 m)

90-degree Motor Control Extension Cables
281554015 15 ft. (4.6 m), 90 degree
281554025 25 ft. (7.6 m), 90 degree
Includes overmolded connections on high-flex cables for optimal service life.

Volt-Sense Cable   242212050
Replacement 50 ft. (15.2 m) cable. One cable supplied with Auto-Continuum power source.

Ethernet Cables
300734 9.8 ft. (3 m)
300736 32.8 ft. (10 m)
Industrial-grade 360-degree-shielded Cat 5 Ethernet cable with conventional RJ45 overmolded four-pole connector on one end to connect to factory network, and industrial M12 overmolded connector on the other end to attach to Auto-Continuum power source. Cable supports 10/100 Mbits-per-second transmission rate.

Continuum Feeder Base and Spool Support   301431

Wire Feeder Drive (Left)   301216
Use with feeder base and spool support when converting to a manual weld system.

Reel Cover   195412
For 60-pound (27 kg) coil. Helps to protect the welding wire from dust and other contaminants.

Wire Straightener
141580 For .035–.045 in. (0.9–1.1 mm) wire.
141581 For 1/16–1/8 in. (1.6–3.2 mm) wire.
Helps reduce the cast in wire to improve wire feeding performance and increase the service life of the gun liner and contact tip.

Coolant Systems

Continuum® Cooler   301214
For use with water-cooled torches rated up to 500 amps. Integrated coolant flow switch ensures coolant is flowing in the system. The Continuum cooler mounts to the bottom of the Continuum power source. Power is supplied via an internal connection with the power source.

Low-Conductivity Coolant   043810
Sold in cases of four one-gallon recyclable plastic bottles. Miller coolants contain a base of ethylene glycol and deionized water to protect against freezing to -37 degrees Fahrenheit (-38˚C) or boiling to 227 degrees Fahrenheit (108˚C). Also contains a compound that resists algae growth.

Wire Control Motor Mounting Brackets
300013 Universal – FANUC®/KUKA®/Motoman®
300483 FANUC® 100 and 120 IC

Welding Guns
Manual — see BernardWelds.com
Automation — see Tregaskiss.com
Typical Installations (Robotic/automation pulsed MIG or conventional MIG.)

1 **Power Source**
   See page 12 for available models. All power sources are equipped with both EtherNet/IP™ and DeviceNet communication and include a 50-foot (15.2 m) volt-sense cable.

2 **Robot Controller Connection (choose one)**
   - **EtherNet/IP™** — Requires Ethernet cable. 16.4-foot (5 m) cable included with Auto-Continuum robotic MIG kit. See page 10 for individual cables.
   - **DeviceNet** — Requires DeviceNet communication cable (300021). See page 10.
   - **Analog** — Requires DeviceNet to analog adapter (301427) and analog receptacle kit (see page 10).

3 **Wire Drive Motor Assembly**
   See page 9 for available drive motor options.

4 **Auto-Continuum® Robotic MIG Kit**
   Includes all cables, hoses and hardware for outfitting a robot arm. See description at right for details.

5 **Motor Mounting Bracket**
   See page 10 for available brackets. Motor mounting brackets from other brands must be supplied by robot manufacturer or system integrator.

6 **Tregaskiss® Robotic MIG Gun**
   Must be ordered separately. Visit Tregaskiss.com for additional torch information.

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**Auto-Continuum Robotic MIG Kit** 301455
Kit includes the following:
- 25-foot (7.6 m) motor control cable
- 15-foot (4.6 m) 90-degree motor control extension cable
- One 15-foot (4.6 m) weld cable
- Flowmeter regulator
- 30-foot (9.1 m) gas hose
- 16.4-foot (5 m) Ethernet cable
- .035/.045-inch V-groove drive roll kit with guides
- 30-foot (9 m) weld wire conduit assembly
- 10-foot (3 m) conduit and clamps for mounting motor control cable, weld cable and gas hose
### Ordering Information

<table>
<thead>
<tr>
<th>Equipment and Options</th>
<th>Stock No.</th>
<th>Description</th>
<th>Qty.</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1 Power Sources</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Auto-Continuum™ 350</td>
<td>907656</td>
<td>Power source only</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>907658</td>
<td>Power source with auxiliary power</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Auto-Continuum™ 500</td>
<td>907657</td>
<td>Power source only</td>
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<td></td>
<td>907659</td>
<td>Power source with auxiliary power</td>
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<tr>
<td><strong>2 Robot Controller Connection</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2a Ethernet Cables</td>
<td>300734</td>
<td>9.8 ft. (3 m)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>300736</td>
<td>32.8 ft. (10 m)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2b DeviceNet Communication Cable</td>
<td>300021</td>
<td>20 ft. (6.1 m)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2c DeviceNet to Analog Adapter</td>
<td>301547</td>
<td>Field-installed option. Adapts DeviceNet to analog communication. Includes 9 ft. (2.7 m) DeviceNet communication cable</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Analog Receptacle Kit (one required per machine)</td>
<td>194793</td>
<td>ABB® analog communication</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>194791</td>
<td>FANUC® analog communication</td>
<td></td>
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<tr>
<td></td>
<td>194790</td>
<td>Motoman® analog communication</td>
<td></td>
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<tr>
<td></td>
<td>195002</td>
<td>Universal analog communication</td>
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<tr>
<td><strong>3 Wire Drive Motor Assemblies and Accessories</strong></td>
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<tr>
<td>3 Auto-Continuum Wire Drive Motor Assembly</td>
<td>301207</td>
<td>Left-hand drive</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>301208</td>
<td>Right-hand drive</td>
<td></td>
<td></td>
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<tr>
<td>4 Auto-Continuum Robotic MIG Kit</td>
<td>301455</td>
<td>Includes all cables, hoses and hardware for outfitting a robot arm. See page 11 for complete list</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5 Wire Drive Motor Mounting Brackets</td>
<td>300013</td>
<td>Universal — fits FANUC®/KUKA®/Motoman®</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>300483</td>
<td>FANUC® 100 and 120 IC</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6 Tregaskiss® Robotic MIG Guns, Peripherals and Consumables</td>
<td></td>
<td>Order separately. Visit Tregaskiss.com for models and information on TOUGH GUN® robotic MIG guns, TOUGH GUN® reamers, QUICK LOAD® liners and TOUGH LOCK® consumables</td>
<td></td>
<td></td>
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<tr>
<td><strong>Welding Intelligence™ Software</strong></td>
<td></td>
<td></td>
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<tr>
<td>Insight Centerpoint®</td>
<td>951809</td>
<td>Centerpoint 10 license and activation</td>
<td></td>
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<tr>
<td>Gas Flow Sensors</td>
<td>301478</td>
<td>Adds gas flow sensing capability for Insight Core and Insight Centerpoint to Auto-Continuum wire drives</td>
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<tr>
<td><strong>Accessories</strong></td>
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<tr>
<td>Continuum™ Cooler</td>
<td>301214</td>
<td>Integrated 2-gallon capacity cooler for water-cooled MIG guns</td>
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<tr>
<td>Low-Conductivity Coolant</td>
<td>043810</td>
<td>1-gallon plastic bottle (must be ordered in quantities of 4)</td>
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<tr>
<td>Continuum Feeder Base and Spool Support</td>
<td>301431</td>
<td>For use with feeder base and spool support when converting to a manual weld system</td>
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</tbody>
</table>

**Date:** | **Total Quoted Price:**