## Quick Specs

<table>
<thead>
<tr>
<th>Processes</th>
<th>Weld Thickness</th>
<th>Input Power</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIG (GMAW)</td>
<td>MIG: 24 ga.–3/8 in. steel</td>
<td>120 or 240 V</td>
</tr>
<tr>
<td>Flux-cored (FCAW)</td>
<td>18 ga.–3/8 in. aluminum</td>
<td></td>
</tr>
<tr>
<td>DC TIG (GTAW)</td>
<td>TIG: 24 ga.–1/4 in. steel</td>
<td>Input Hz 50/60 Hz</td>
</tr>
<tr>
<td>DC stick (SMAW)</td>
<td>Stick: 16 ga.–3/8 in. steel</td>
<td>Input Phase Single-phase</td>
</tr>
</tbody>
</table>

### Light Industrial Applications
- Light fabrication
- Maintenance and repair
- Auto body
- Farm/home

### Multiprocess capabilities
- Multiprocess capabilities allow for MIG, flux-cored, DC TIG and DC stick welding.

### Intuitive color LCD user interface
- Intuitive color LCD user interface makes it quick and easy to adjust parameters.

### Auto-Set™ Elite
- Auto-Set™ Elite can be used on multiple materials and multiple processes with the ability to fine-tune your settings. Easy to set up and use.

### Multi-voltage plug (MVP™)
- Multi-voltage plug (MVP™) allows you to connect to 120 or 240 V power receptacles without the use of any tools—choose the plug that fits the receptacle and connect it to the power cord.

### Angled wire drive
- Angled wire drive with Quick Select™ drive roll for smooth feeding and quick wire changes.

### Smooth-Start™
- Smooth-Start™ for consistently smooth, spatter-free MIG starts.

### Auto Spool Gun Detect™
- Auto Spool Gun Detect™ automatically detects when a MIG gun or spool gun is connected eliminating the need for a switch.

### Fan-On-Demand™ power source cooling system
- Fan-On-Demand™ power source cooling system operates only when needed, reducing noise, energy use and the amount of contaminants pulled through the machine.

### Thermal overload protection
- Thermal overload protection automatically shuts the power source down if airflow through the unit is blocked or the duty cycle is exceeded.

### Comes complete with:
- Power source
- 6.5 ft. (2 m) power cord with MVP plugs for 120 V and 240 V
- 10 ft. (3 m) M-100 MIG gun and cable assembly
- 13 ft. (4 m) cable electrode holder and 25 mm Dinse-style connector
- 10 ft. (3 m) work cable with clamp and 25 mm Dinse-style connector
- Flow gauge regulator and gas hose for argon and AR/CO2 mix
- Hobart® spool of .030 in. (0.8 mm) solid wire
- Two contact tips for .030 in. (0.8 mm) wire
- Quick Select™ drive roll for .024 in. (0.6 mm) or .030/.035 in. (0.8/0.9 mm) solid wire, and .030/.035 in. (0.8/0.9 mm) flux-cored wire
- Material thickness gauge
- Hook-and-loop cord wraps

### TrueBlue® 3yr Warranty
- Welder is warranted for three years, parts and labor.
- Gun warranted for 90 days, parts and labor.

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**Miller Electric Mfg. Co.**
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**

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**Supported Standards:**
ISO 9001
Registered Quality System
### Specifications

(Subject to change without notice.)

<table>
<thead>
<tr>
<th>Welding Mode/Process</th>
<th>Input Power</th>
<th>Welding Amperage Range</th>
<th>Rated Output</th>
<th>Amps Input at Rated Output, 50/60 Hz</th>
<th>Wire Feed Speed</th>
<th>Max. Open-Circuit Voltage</th>
<th>Dimensions</th>
<th>Net Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>CV: MIG/flux-cored</td>
<td>120 V</td>
<td>30–125 A</td>
<td>110 A at 19.5 V, 60% duty cycle</td>
<td>23 — 2.8 2.8</td>
<td>60–600 ipm (1.5–15.2 m/min.)</td>
<td>58 VDC</td>
<td>H: 12.5 in. (318 mm) W: 11.25 in. (286 mm) D: 20.5 in. (521 mm)</td>
<td>38 lb. (17.2 kg)</td>
</tr>
<tr>
<td></td>
<td>240 V</td>
<td>30–230 A</td>
<td>200 A at 24 V, 20% duty cycle</td>
<td>— 25.8 6.2 6.2</td>
<td>— —</td>
<td>— —</td>
<td>— —</td>
<td>— —</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>150 A at 21.5 V, 40% duty cycle</td>
<td>— 16.7 4.0 4.0</td>
<td>— —</td>
<td>— —</td>
<td>— —</td>
<td>— —</td>
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<tr>
<td>CC: TIG</td>
<td>120 V</td>
<td>20–150 A</td>
<td>140 A at 15.6 V, 40% duty cycle</td>
<td>24.6 — 3 3</td>
<td>— —</td>
<td>— —</td>
<td>— —</td>
<td>— —</td>
</tr>
<tr>
<td></td>
<td>240 V</td>
<td>20–210 A</td>
<td>190 A at 17.6 V, 20% duty cycle</td>
<td>— 18 6.7 6.7</td>
<td>— —</td>
<td>— —</td>
<td>— —</td>
<td>— —</td>
</tr>
<tr>
<td>CC: Stick</td>
<td>120 V</td>
<td>30–100 A</td>
<td>90 A at 23.6 V, 40% duty cycle</td>
<td>22.7 — 2.7 2.7</td>
<td>— —</td>
<td>— —</td>
<td>— —</td>
<td>— —</td>
</tr>
<tr>
<td></td>
<td>240 V</td>
<td>30–200 A</td>
<td>190 A at 27.6 V, 20% duty cycle</td>
<td>— 27 6.5 6.5</td>
<td>— —</td>
<td>— —</td>
<td>— —</td>
<td>— —</td>
</tr>
</tbody>
</table>

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

### Control Panel

1. Material Thickness Buttons
2. Auto-Set™ Button
3. Wire/Tungsten Diameter and Stick Rod Type Buttons
4. Process Selection Buttons
5. Adjustment Knob
6. LCD Display Panel
7. Adjustment Knob
8. Plastic Hub with Retaining Ring for 8-inch Spools (shaft also accepts 4-inch spools)
9. Calibrated Tension Knob
10. T-Knob (secures gun)
11. Drive Roll
12. Trigger Control Connector
13. RJ45 Port (TIG Remote)

Note: Power switch and gas solenoid are on power source rear panel.

### Performance Data

#### MIG Duty Cycle Chart

![MIG Duty Cycle Chart](image)

#### TIG Duty Cycle Chart

![TIG Duty Cycle Chart](image)

#### Stick Duty Cycle Chart

![Stick Duty Cycle Chart](image)
Genuine Miller® Accessories

Replacement/Optional MIG Gun

M-100 (Standard)  
248282  10 ft. (3 m)

M-150 (Optional)  
249040  12 ft. (3.7 m)
249041  15 ft. (4.5 m)

All ship with liner 194011.

Contact Tips

087299  .024 in. (0.6 mm)
000067  .030 in. (0.8 mm)
000068  .035 in. (0.9 mm)
000069  .045 in. (1.2 mm)

087299  .024 in. (0.6 mm)
000067  .030 in. (0.8 mm)
000068  .035 in. (0.9 mm)
000069  .045 in. (1.2 mm)

Contact Tip Adapter  169716

Replacement Liners

194010  .024 in.
194011  .030 to .035 in. (standard)
194012  .035 to .045 in.
15-foot length — trim to size needed.

Nozzle  169715
1/2-inch (13 mm) diameter orifice. Nozzle flush with contact tip (standard).

Gasless Flux-Cored Nozzle #226 190
For M-100 gun only.
For use with self-shielding flux-cored wires. Improves visibility, eases access in tight corners, protects tip adapter/gas diffuser from spatter and from shorting to the workpiece.

TIG Kit  301337
Kits comes complete with everything needed to TIG weld with the Multimatic 215. Includes Weldcraft™ A-150 TIG torch with flow-through Dinse-style connector, RFCS-RJ45 foot control, flow gauge regulator with 12-foot (3.7 m) gas hose, and AK2C torch accessory kit.

AK2C Accessory Kit
Includes one short back cap, one of each size (#4, #5, #6) alumina nozzle, and one of each size (.040, .16, .3/32 inch) of the following: collet, collet body, and 7-inch 2% ceriated tungsten electrode. Order from Miller Service Parts.

Weldcraft™ A-150 (WP-17) TIG Torch
WP1712RD125 (12.5 ft.)
150-amp air-cooled torch with 25 mm flow-through Dinse-style connector.

Quick Select™ Drive Roll  261157
For .024-inch (0.6 mm) or .030/0.035-inch (0.8/0.9 mm) solid wire, and .030/0.035-inch (0.8/0.9 mm) flux-cored wire.

Dual-Groove V-Knurled Drive Roll  202926
For .030/0.035-inch (0.8/0.9 mm) or .045-inch (1.2 mm) flux-cored wire.

M-Series Gun Consumable Kits
234607  .024 in. (0.6 mm)
234608  .030 in. (0.8 mm)
234609  .035 in. (0.9 mm)

Each kit contains ten contact tips, one nozzle, and one contact tip adapter.

For Spoolmate™ 100 Spool Gun

Contact Tips (5 per package)
199730  .024 in. (0.6 mm)
186419  .030 in. (0.8 mm)
186406  .035 in. (0.9 mm)

Nozzle  186405

For Spoolmate™ 150 Spool Gun

Contact Tips (5 per package)
199387  .030 in. (0.8 mm)
199388  .035 in. (0.9 mm)

Nozzle  199386

For Both Spool Guns

Drive Roll (1)  186413
For .030/0.035-inch (0.8/0.9 mm) wire.

Push Roll (1)  186414
For .030/0.035-inch (0.8/0.9 mm) wire.

For Both Spool Guns

Drive Roll (1)  186413
For .030/0.035-inch (0.8/0.9 mm) wire.

Push Roll (1)  186414
For .030/0.035-inch (0.8/0.9 mm) wire.

RCCS-RJ45 Remote Contactor and Current Control  301146
North/south rotary-motion fingertip current and contactor control attaches to TIG torch using two hook-and-loop fasteners. Includes 13.25-foot (4 m) cord with plug.

Protective Cover  301262

Running Gear/ Cylinder Rack  301239
Heavy-duty construction with 8-inch rubber rear wheels. Convenient front handles, cable holders and plastic consumable box. For gas cylinders no greater than 7 inches (178 mm) in diameter or 65 pounds (29.5 kg) in weight.

Consumables (Order from Miller Service Parts.)

For M-100/M-150 Gun

Contact Tips
087299  .024 in. (0.6 mm)
000067  .030 in. (0.8 mm)
000068  .035 in. (0.9 mm)
000069  .045 in. (1.2 mm)

Quick Select™ Drive Roll  261157
For .024-inch (0.6 mm) or .030/0.035-inch (0.8/0.9 mm) solid wire, and .030/0.035-inch (0.8/0.9 mm) flux-cored wire.

Dual-Groove V-Knurled Drive Roll  202926
For .030/0.035-inch (0.8/0.9 mm) or .045-inch (1.2 mm) flux-cored wire.

M-Series Gun Consumable Kits
234607  .024 in. (0.6 mm)
234608  .030 in. (0.8 mm)
234609  .035 in. (0.9 mm)

Each kit contains ten contact tips, one nozzle, and one contact tip adapter.

For Both Spool Guns

Drive Roll (1)  186413
For .030/0.035-inch (0.8/0.9 mm) wire.

Push Roll (1)  186414
For .030/0.035-inch (0.8/0.9 mm) wire.

For Spoolmate™ 100 Spool Gun

Contact Tips (5 per package)
199730  .024 in. (0.6 mm)
186419  .030 in. (0.8 mm)
186406  .035 in. (0.9 mm)

Nozzle  186405

For Spoolmate™ 150 Spool Gun

Contact Tips (5 per package)
199387  .030 in. (0.8 mm)
199388  .035 in. (0.9 mm)

Nozzle  199386

For Both Spool Guns

Drive Roll (1)  186413
For .030/0.035-inch (0.8/0.9 mm) wire.

Push Roll (1)  186414
For .030/0.035-inch (0.8/0.9 mm) wire.
## Power Source and Options

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<thead>
<tr>
<th>Stock No.</th>
<th>Description</th>
<th>Qty.</th>
<th>Price</th>
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<tbody>
<tr>
<td>907693</td>
<td>Multimatic™ 215</td>
<td></td>
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</tr>
<tr>
<td>951674</td>
<td>Multimatic™ 215 with TIG Kit</td>
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</tr>
<tr>
<td>951674</td>
<td>Power source packaged with packaged with 301337 TIG Kit</td>
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## Guns

<table>
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<th>Stock No.</th>
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<tbody>
<tr>
<td>248282</td>
<td>M-100 Gun (Standard)</td>
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<tr>
<td>249040</td>
<td>M-150 Gun (Optional)</td>
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<tr>
<td>249041</td>
<td>Spoolmate™ 100 Spool Gun</td>
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<tr>
<td>300371</td>
<td>Spoolmate™ 150 Spool Gun</td>
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## Spoolmate™ 100 Spool Gun

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<th>Description</th>
<th>Qty.</th>
<th>Price</th>
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<tr>
<td>300371</td>
<td>12 ft. (3.7 m). Includes custom carrying case</td>
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## Spoolmate™ 150 Spool Gun

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<th>Price</th>
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<tr>
<td>301272</td>
<td>20 ft. (6.1 m)</td>
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## Accessories

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<th>Stock No.</th>
<th>Description</th>
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<th>Price</th>
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<tbody>
<tr>
<td>301337</td>
<td>TIG Kit</td>
<td></td>
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<tr>
<td>WP1712RDI25</td>
<td>Weldcraft™ A-150 TIG torch with Dinse-style connector, RFCS-RJ45 foot pedal, flow gauge regulator with 12 ft. (3.7 m) gas hose, and AK2C torch accessory kit</td>
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<tr>
<td>300688</td>
<td>RJ45 to 14-Pin Adapter Cord</td>
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<tr>
<td>301146</td>
<td>RCCS-RJ45</td>
<td></td>
<td></td>
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<tr>
<td>301262</td>
<td>Protective Cover</td>
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<td>301239</td>
<td>Running Gear/Cylinder Rack</td>
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<td>229895</td>
<td>Material Thickness Gauge</td>
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<tr>
<td>301337</td>
<td>Flux-Cored Wire</td>
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<td>301337</td>
<td>Solid Wire</td>
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<td>301337</td>
<td>Shielding Gas Cylinder</td>
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<tr>
<td>301337</td>
<td>Helmet/Gloves/Scratch Brush</td>
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## Available through Miller Service Parts

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<th>Description</th>
<th>Qty.</th>
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<tr>
<td>268546</td>
<td>Flow Gauge Regulator for Argon or AR/CO₂ Mix</td>
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<tr>
<td>212492</td>
<td>Flow Gauge Regulator for CO₂</td>
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<tr>
<td>271483</td>
<td>Replacement Screen Cover</td>
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<tr>
<td>169716</td>
<td>Contact Tips</td>
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<tr>
<td>169716</td>
<td>Contact Tip Adapter</td>
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<tr>
<td>226190</td>
<td>Gasless Flux-Cored Nozzle</td>
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<tr>
<td>234607</td>
<td>M-Series Gun Consumable Kits</td>
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<td>234608</td>
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<tr>
<td>AK2C</td>
<td>Weldcraft™ AK2C Accessory Kit</td>
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</table>

## Contact Tips

See page 3

## Replacement Liners

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## Nozzles

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## Gasless Flux-Cored Nozzle

For M-100 gun

## Drive Rolls

See page 3

## M-Series Gun Consumable Kits

<table>
<thead>
<tr>
<th>Stock No.</th>
<th>Description</th>
<th>Qty.</th>
<th>Price</th>
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<tbody>
<tr>
<td>234607</td>
<td>.024 in. (0.6 mm)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>234608</td>
<td>.030 in. (0.8 mm)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>234609</td>
<td>.035 in. (0.9 mm)</td>
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<td></td>
</tr>
</tbody>
</table>

## Weldcraft™ AK2C Accessory Kit

Includes one short back cap, one of each size (#4, #5, #6) alumina nozzle, and one of each size (.040, 1/16, 3/32 inch) of the following: collet, collet body, and 7-inch 2% ceriated tungsten electrode

Date:                                                                                                                                                                                         Total Quoted Price: