Millermatic[®] 255

MIG Power Source, Wire Feeder and Gun Package



Quick **Specs** **Industrial Applications** General fabricators Contract welding services Plant maintenance shops

Processes MIG (GMAW) Pulsed MIG (GMAW-P) Flux-cored (FCAW)

Input Power Auto-Line[™] 208-240 V, single-phase Rated Output 230 A at 25.5 V, 60% duty cycle Amperage Range 20-350 A Net Weight Machine only: 84 lb. (38 kg) Machine with running gear: 148 lb. (67 kg)

Easy to Use



Quick and easy setup

Versatility



MIG, pulsed MIG, push-pull and spool gun capabilities

Portability



Easily integrates into a work cell





Built for professionals in the light manufacturing or fabrication segment who

want a smaller, versatile welder with intuitive setup to increase efficiencies and productivity. This 250-amp inverter welder is easy to use for faster uptime and performance. The versatility of this welder to be integrated on running gear, makes it very easy to move around a work cell or it can be quickly disconnected from the running gear enabling *portability*, making it easier to integrate into a work cell or work in confined spaces.

Machine only



ГАРАНТИЯ НА ОБОРУДОВАНИЕ З ГОДА



ОФИЦИАЛЬНЫЙ ДИСТРИБЬЮТОР MILLER ELECTRIC B POCCHŇCKOŇ ФЕДЕРАЦИИ +7(495) 660 62 72

ПРОФЕССИОНАЛЬНЫЕ РЕШЕНИЯ

000 " ИТС-ИНЖИНИРИНГ"

Machine with running gear

Heavy-duty aluminum two-drive-roll system



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г. МОСКВА ул. КОПТЕВСКАЯ д. 73А стр 7

Millermatic[®] 255 Features and Benefits

Easy to Use



Auto-Set[™] Elite offers predefined weld settings to increase ease of use and ensure that the job is done right for operators of all skill levels.



 Available for MIG and pulsed MIG processes
 with the ability to fine tupo.

with the ability to fine-tune your settings.

• Set weld parameters by selecting wire and gas type, wire diameter and material thickness.



Easy-to-understand interface with 7-inch color LCD display

ensures proper machine setup and parameter selection, reducing setup time and increasing weld time.

- Quick-access backlit Auto-Set and Pulse buttons above the LCD display illuminate when active.
- Soft-key buttons below the display change function depending on which screen is displayed. Makes setup or change quick, easy and intuitive.
- Large text for easier readability.
- Intuitive connection setup images.
- Full troubleshooting descriptions versus help errors and look up codes.

Program mode allows easy save and recall of favorite weld settings.

- Deliver more productivity by eliminating the need to manually set the parameters.
- Deliver consistent quality by welders of all skill levels by using prequalified weld settings.
 Minimize supervisor need to intervene.



Optional EZ-Select[™] MIG gun

MDX[™]-250 EZ-Select MIG gun has four LEDs on the back of the gun handle to indicate which program is selected.

- Simply tap gun trigger to select the program. The number of lit LEDs on gun indicate the selected program.
- No more going back to machine to change weld settings.
- No more having to move to see settings when front panel of machine is obstructed.





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Millermatic[®] 255 Features and Benefits

Versatility



Capabilities include MIG, pulsed MIG and flux-cored welding.

Compatible with push-pull MIG guns. Increases productivity by allowing the use of 12-inch wire spools versus a spool gun's 4-inch spools. Reduces downtime changing wire spools.

Auto-Gun Detect[™] automatically adjusts voltage, wire speed and timers for faster switching between MIG, push-pull and spool guns.

For portability and reliability Auto-Line[™] allows for any single-phase input voltage hookup (208–240 V) with no manual linking, providing convenience in any job setting. Ideal solution for dirty or unreliable power.

Pulsed MIG welding delivers higher quality welds for ALL welders.

• Lower heat input for less distortion on thin materials and better puddle control on out-of-position welds.



- Less spatter minimizes post weld grinding and rework allowing more welding time.
- Perform welding applications that couldn't be done in the past.
- · Ideal for MIG welding aluminum and stainless steel.

Best For	Standard Spray	Pulsed MIG	Short Circuit	
Gap Filling	D	В	A	
Low Heat Input	D	В	A	
Out-of-Position Welds		А	В	
Low Spatter	A	A	C	
Thick Metals	A	A	D	
Thin Metals		В	A	
Increased Travel Speed	A	A	В	
Aluminum MIG Welding	C	A	C	
HOT COLD				

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.

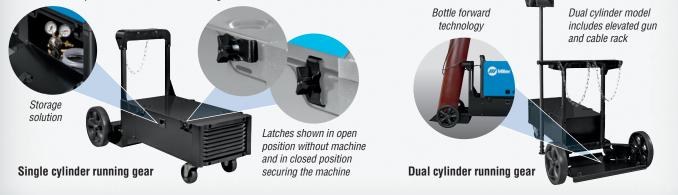
Portability



Weight is reduced by more than 50 percent compared to the Millermatic 252.

Optional EZ-Latch[™] running gear

EZ-Latch running gears are available in single cylinder and dual cylinder models (included with package or can be ordered separately). Operators no longer need to lift machine AND running gear into the truck. Latches secure machine to running gear. Simply loosen the latch retaining knob and rotate latches to disengage machine from running gear for easy portability. Cylinder racks feature bottle forward technology for increased stability when moving along an incline and running gears have built-in storage for accessories. Dual cylinder model includes an elevated gun and cable rack to keep cables off the floor and tangle free.





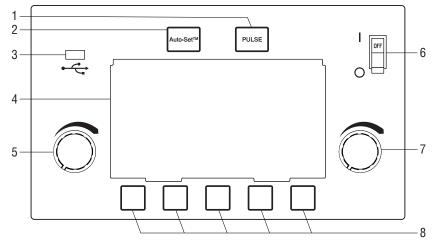
Specifications (Subject to change without notice.)



Welding Amperage Range	Rated Output	Rated	Input at Output, 240 V	50/60		Wire Feed Speed	Wire Type and Diameter	Max. Open-Circuit Voltage	Dimensions	Net Weight
20-350 A	230 A at 25.5 V, 60% duty cycle	44.0	39.5	9.5	7.2	50–800 ipm (1.3–20.3 m/min.)	Solid/stainless steel: .023–.045 in.	87 VDC	Machine only H: 19.24 in. (489 mm)	Machine only 84 lb. (38 kg)
						(1.5-20.5 m/mm.)	(0.6–1.2 mm)		W: 13.75 in. (349 mm)	Machine with
							Flux-cored:		D: 24.25 in. (616 mm)	running gear
							.030–.045 in. (0.8–1.2 mm)		Machine with running gear H: 32 in. (813 mm)	148 lb. (67 kg)
							Aluminum: .035–.047 in.		W: 13.75 in. (349 mm) D: 45 in. (1,143 mm)	
							(0.9–1.2 mm)			

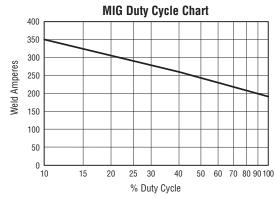
() Certified by Canadian Standards Association to both the Canadian and U.S. Standards.

Control Panel



- 1. Pulse Button
- 2. Auto-Set Button
- 3. USB Port
- 4. Color LCD Display
- 5. Left Adjustment Knob
- (Adjusts voltage, arc length or parameter values depending on mode.)
- 6. Power Switch
- 7. Right Adjustment Knob (Adjusts wire feed speed or parameter values depending on mode.)
- 8. Soft Keys (Multiple functions depending on screen displayed.)

Performance Data





Millermatic[®] 255 Packages



Comes complete with:

- Power source with 10 ft. (3 m) industrial power cord
- I5 ft. (4.5 m) 250-amp MDX[™]-250 MIG gun with Bernard[®] AccuLock[™] S consumables for .035/.045 in. (0.9/1.2 mm) wire
- 10 ft. (3 m) work cable with clamp and 50 mm Dinse-style connector
- Flow gauge regulator and gas hose for argon or AR/CO₂ mix
- .035/.045 in. (0.9/1.2 mm) reversible drive rolls
- Extra contact tips
- Material thickness gauge



Comes complete with:

- Power source with 10 ft. (3 m) industrial power cord
- 15 ft. (4.5 m) 250-amp MDX[™]-250 MIG gun with Bernard[®] AccuLock[™] S consumables for .035/.045 in. (0.9/1.2 mm) wire
- 10 ft. (3 m) work cable with clamp and 50 mm Dinse-style connector
- Flow gauge regulator and gas hose for argon or AR/CO₂ mix
- .035/.045 in. (0.9/1.2 mm) reversible drive rolls
- Extra contact tips
- Material thickness gauge
- EZ-Latch[™] single cylinder running gear
- Chain to secure gas cylinder



Genuine Miller® Accessories



EZ-Latch[™] Single Cylinder Running Gear 301449

Running gear with a single cylinder rack and storage compartment. Latches secure machine to cart. Simply rotate latches to disengage machine from cart for easy portability.

$\text{EZ-Latch}^{\scriptscriptstyle \rm M}$ Dual Cylinder Running Gear 951769

Similar to above, but with a dual cylinder rack which allows operator to easily store two gas cylinders. Includes elevated gun and cable rack (shown below) to keep cables off the floor and tangle free.



EZ-Latch[™] Dual Cylinder Rack with Elevated Gun and Cable Rack 301481 Converts an EZ-Latch single cylinder running

gear into a dual cylinder rack to easily store two gas cylinders. Gun and cable rack keeps cables off the floor and tangle free. (Included with EZ-Latch dual cylinder running gear.)



MDX[™]-250 MIG Gun with AccuLock[™] S Consumables 1770041 10 ft. (3 m) 1770042 12 ft. (3.7 m) 1770043 15 ft. (4.6 m), standard Industrial 250-amp MIG gun with consumables for .035/.045 in. (0.9/1.2 mm) wire.

MDX[™]-250 EZ-Select[™] MIG Gun 1770046 15 ft. (4.6 m)

Similar to above, but with four LEDs on gun handle to indicate which machine program is selected. Tap trigger to select program. Allows operator to know which program is being used without going back to machine.

MDX[™]-250 MIG Gun with AccuLock[™] MDX Consumables 1770035 10 ft. (3 m) 1770036 12 ft. (3.7 m) 1770037 15 ft. (4.6 m) Industrial 250-amp MIG gun with consumables for .030/.035 in. (0.8/0.9 mm) wire.

Spool Guns



Spoolmatic[®] 15A Spool Gun 195156 Spoolmatic[®] 30A Spool Gun 130831 Ideal for aluminum welding jobs. Air-cooled, one-pound spool gun with 15-foot (4.6 m) or 30-foot (9.1 m) cable assembly. Rated at 200 amps at 100 percent duty cycle. For detailed information, see Spoolmatic literature M/1.73.



Spoolmate^m 200 Spool Gun 300497

Reliable and economical spool gun perfect for hobbyists and light fabricators who weld aluminum. Handles .030-.035 inch (0.8-0.9 mm) aluminum wires and .023-.035 inch (0.6-0.9 mm) steel/stainless steel wires. Rated at 160 amps, 60 percent duty cycle with 20-foot cable assembly. For detailed information, see Spoolmate literature M/1.47.

Optional Spoolmate™ 200 Head Tubes

30059145-degree head tube3005929-inch extension head tube2433855-inch head tube

Push-Pull Guns



XR-Aluma-Pro[™] Push-Pull Gun 301568 15 ft. (4.6 m) 301569 25 ft. (7.6 m) Air-cooled gooseneck-style gun for .030–.047 inch (0.8–1.2 mm) aluminum. Rated at 300 amps at 100 percent duty cycle.



XR-Aluma-Pro[™] Lite Push-Pull Gun 300948 25 ft. (7.6 m) Air-cooled gooseneck-style gun for .030–.047 inch (0.8–1.2 mm) aluminum. Rated at 175 amps at 60 percent duty cycle.

U-Grooved Aluminum Drive Roll and Accessory Kits for XR-Aluma-Pro Push-Pull Guns 195311 .035 in. (0.9 mm) 195313 .047 in. (1.2 mm) Kits include Millermatic U-grooved drive rolls, nylon wire guides and contact tips.



Protective Cover 301521 Features side pocket.

Argon/Mixed Gas Regulator and Gas Hose 195050



Consumables

For MDX[®]-250 MIG Guns

Standard Bernard[®] AccuLock[™] S Consumables Consumables for increased durability and longer life when guns are used in industrial applications.

Contact Tips (10 per package)

 T-A023CH
 .023 in. (0.6 mm)

 T-A030CH
 .030 in. (0.8 mm)

 T-A035CH
 .035 in. (0.9 mm)

 T-A039CH
 .039 in. (1.0 mm)

 T-A045CH
 .045 in. (1.2 mm)

 Nozzles
 N-A5800C

 N-A5818C
 Copper, 5/8 in. ID, flush, standard

 N-A5814C
 Copper, 5/8 in. ID, 1/8 in. recess

 Diffuser
 D-MA250

Monocoil Replacement Liners

10 ft. Liner LM1A-10 .023/.025 in. (0.6 mm) LM2A-10 .030/.035 in. (0.8/0.9 mm) LM3A-10 .035/.045 in. (0.9/1.2 mm) 12 ft. Liner LM1A-12 .023/.025 in. (0.6 mm) LM2A-12 .030/.035 in. (0.8/0.9 mm) LM3A-12 .035/.045 in. (0.9/1.2 mm) 15 ft. Liner LM1A-15 .023/.025 in. (0.6 mm) LM2A-15 .030/.035 in. (0.8/0.9 mm) LM3A-15 .035/.045 in. (0.9/1.2 mm)

Optional Miller[®] AccuLock[™] MDX Consumables

Smaller consumables and components to access hard-to-reach weldments.

Contact Tips (10 per package)

 T-M023
 .023 in. (0.6 mm)

 T-M030
 .030 in. (0.8 mm)

 T-M035
 .035 in. (0.9 mm)

 T-M045
 .045 in. (1.2 mm)

 T-M047
 3/64 in. (1.2 mm)

 Nozzles
 N-M1200C

 Copper, 1/2 in. ID, flush, standard

 N-M1218C
 Copper, 1/2 in. ID, flush, standard

 N-M5800C
 Copper, 5/8 in. ID, flush

 N-M5818C
 Copper, 5/8 in. ID, 1/8 in. recess

N-M58XTC Copper, 5/8 in. ID, 1/8 in. stickout Diffuser D-M250

Note: Miller[®] FasTip[™], M-Series and Bernard Centerfire[™] diffusers and consumables are NOT compatible with MDX Series guns.

For Spoolmatic[®] Spool Guns and $XR^{\mathbb{M}}$ Push-Pull Guns

For Aluminum Wire

FasTip™ Contact Tips (25 per package) 206186 Heavy-duty, .030 in. (0.8 mm) 206187 Heavy-duty, .035 in. (0.9 mm) 206188 Heavy-duty, .040 in. (1.0 mm) 206189 Heavy-duty, 3/64 in. (1.2 mm) 206191 Heavy-duty, 1/16 in. (1.6 mm) 209026 Tapered, .030 in. (0.8 mm) 209027 Tapered, .035 in. (0.9 mm) **209029** Tapered, 3/64 in. (1.2 mm) 206030 Tapered, 1/16 in. (1.6 mm) Screw-On Nozzles 199610 Brass, 1/2 in. orifice, tapered **199611** Brass, 3/4 in. orifice, straight 199612 Brass, 3/4 in. orifice, straight HD 199613 Brass, 5/8 in. orifice, tapered 199614 Brass, 5/8 in. orifice, tapered HD 209035 Copper, 3/8 in. orifice, tapered **199615** Copper, 1/2 in. orifice, tapered 209036 Copper, 1/2 in. orifice, tapered HD **198855** Copper, 5/8 in. orifice, tapered **199618** Copper, 5/8 in. orifice, tapered HD 207313 Copper. 5/8 in. orifice. tapered 15/16 OD **199616** Copper, 3/4 in. orifice, straight 199617 Copper, 3/4 in. orifice, straight HD

Bernard[®] Centerfire[™] "T" Series Contact Tips

T-035AL .035 in. (0.9 mm) **T-047AL** .047 in. (1.2 mm) **T-062AL** 1/16 in. (1.6 mm)

Bernard[®] Centerfire[™] Small Nozzles

 NST-3818B
 Brass, 3/8 in. ID, 1/8 in. tip recess

 NS-1218B
 Brass, 1/2 in. ID, 1/8 in. tip recess

 NS-1200B
 Brass, 1/2 in. ID, flush tip

 NS-5818B
 Brass, 5/8 in. ID, 1/8 in. tip recess

 NS-1218C
 Copper, 1/2 in. ID, 1/8 in. tip recess

For Spoolmate[™] 200 Spool Gun

Note: Spoolmate 200 spool gun ships with (2) .030 in. and (2) .035 in. contact tips and (1) nozzle.

For Standard Heavy-Duty Head Tube

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

Nozzle 050622

For Optional Head Tubes

Note: The same consumables are used on 45-degree, 5-inch, and 9-inch extension head tubes.

Contact Tips (5 per package)

 .024 in. (0.6 mm) (requires V-knurled drive roll **136135**) .030 in. (0.8 mm) .035 in. (0.9 mm)

Nozzle 186405

For Millermatic[®] 255

Note: Machine drive roll kits include two drive rolls and an inlet guide.

V-Grooved Drive Roll Kits (solid wire)

204579 .030 and .035 in. (0.8 and 0.9 mm) combination (reversible) 087131 .024 in. (0.6 mm) 079594 .030 in. (0.8 mm) 079595 .035 in. (0.9 mm) 079596 .045 in. (1.2 mm)

V-Knurled Drive Roll Kits

(flux-cored or difficult-to-feed wire) 079606 .035 in. (0.9 mm) 079607 .045 in. (1.2 mm) 079608 .052 in. (1.3 mm)

U-Grooved Drive Roll Kits (aluminum wire) 044749 .035 in. (0.9 mm) 079599 .047 in. (1.2 mm)



Ordering Information

Power Source and Options	Stock No.	Description	Qty.	Price
Millermatic® 255	907734	Auto-Line™ 208–240 V, 50/60 Hz		
Millermatic [®] 255 with Running Gear	951766	Auto-Line [™] 208–240 V, 50/60 Hz with single cylinder running gear		
Accessories				
EZ-Latch™ Single Cylinder Running Gear	301449	Running gear with single cylinder rack		
EZ-Latch™ Dual Cylinder Running Gear	951769	Running gear with dual cylinder rack and elevated gun and cable rack		
EZ-Latch™ Dual Cylinder Rack	301481	Upgrade single cylinder rack to dual		
with Elevated Gun and Cable Rack		(included with EZ-Latch dual cylinder running gear)		
Protective Cover	301521	Features side pocket		
Argon/Mixed Gas Regulator and Gas Hose	195050			
Guns				
MDX™-250 MIG Gun	1770041	10 ft. (3 m), 250 A, .035/.045 in. (0.9/1.2 mm) wire		
with AccuLock™ S Consumables	1770042	12 ft. (3.7 m), 250 A, .035/.045 in. (0.9/1.2 mm) wire		
	1770043	15 ft. (4.6 m), 250 A, .035/.045 in. (0.9/1.2 mm) wire		
MDX [™] -250 EZ-Select [™] MIG Gun with AccuLock™ S Consumables	1770046	15 ft. (4.6 m), 250 A, .035/.045 in. (0.9/1.2 mm) wire		
MDX™-250 MIG Gun	1770035	10 ft. (3 m), 250 A, .030/.035 in. (0.8/0.9 mm) wire		
with AccuLock™ MDX Consumables	1770036	12 ft. (3.7 m), 250 A, .030/.035 in. (0.8/0.9 mm) wire		
	1770037	15 ft. (4.6 m), 250 A, .030/.035 in. (0.8/0.9 mm) wire		
Spoolmatic [®] 15A Spool Gun	195156	15 ft. (4.6 m), 200 A, .030047 in. (0.8-1.2 mm) for aluminum wire		
Spoolmatic [®] 30A Spool Gun	130831	30 ft. (9 m), 200 A, .030–.047 in. (0.8–1.2 mm) for aluminum wire		
Spoolmate™ 200 Spool Gun	300497	20 ft. (6 m), 160 A, .030–.035 in. (0.8–0.9 mm) for aluminum wire, .023–.035 in. (0.6–0.9 mm) for steel/stainless steel wire		
Optional Spoolmate [™] 200 Head Tubes		See page 6		
XR-Aluma-Pro [™] Gun (air-cooled)	301568	15 ft. (4.6 m), 300 A, .030–.047 in. (0.8–1.2 mm) for aluminum wire		
	301569	25 ft. (7.6 m), 300 A, .030047 in. (0.8-1.2 mm) for aluminum wire		
XR-Aluma-Pro [™] Lite Gun (air-cooled)	300948	25 ft. (7.6 m), 175 A, .030047 in. (0.8-1.2 mm) for aluminum wire		
Consumables				
Contact Tips		See page 7		
Replacement Liners		See page 7		
Nozzles		See page 7		
Drive Rolls		See page 6 for gun drive rolls and page 7 for machine drive rolls		

MILLER рекомендует

ИТС



сварочные материалы

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