



MULTIPROCESS

Multimatic® 255

See literature DC/12.9



Multimatic 255 with running gear



Welding Capability

Max. 13 mm (1/2 in.)	Max. 13 mm (1/2 in.)
Mild Steel	Aluminum
Min. 0.8 mm (22 ga.)	Min. 1.2 mm (18 ga.)
Max. 9.5 mm (3/8 in.)	Max. 7.9 mm (5/16 in.)
TIG Mild Steel	Stick Mild Steel
Min. 0.6 mm (24 ga.)	Min. 1.5 mm (16 ga.)

Aluminum welding uses optional XR-Aluma-Pro push-pull gun. TIG welding uses optional Multimatic 255 TIG kit.

With MDX Series MIG gun.



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 process and weld mode backlit buttons across the top 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

AUTO-LINE TECHNOLOGY Allows for any input voltage hookup (208–575 V, single-phase) with no manual linking, providing convenience in any job setting. Ideal solution for dirty or unreliable power.

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, pulsed MIG, stick and DC TIG processes with the ability to fine-tune your settings
- Set weld parameters by:
MIG – selecting wire and gas type, wire diameter and material thickness
Stick – selecting electrode type, electrode diameter and material thickness
DC Lift-Arc™ TIG – selecting remote on/off, tungsten diameter and material thickness

Built-in pulsed MIG programs. All programmed information is restored after each power up – aluminum/steel/stainless steel.

Program mode allows easy save and recall of favorite weld settings. Save up to four programs for each process. Delivers more productivity and consistent quality while minimizing supervisor intervention.

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

Heavy-duty aluminum two-drive-roll system.

Fan-On-Demand™ cooling system only operates when needed, reducing power consumption and keeping internal components cleaner.

Industrial ● CC CV DC 1 Phase

Processes

- MIG (GMAW) • Flux-cored (FCAW)
- Pulsed MIG (GMAW-P)
- DC stick (SMAW)
- DC Lift-Arc™ TIG (GTAW)
- Pulsed TIG (GTAW-P)

Multimatic 255 comes complete with

- 4.5 m (15 ft.) 250-amp MDX™-250 MIG gun with Bernard® AccuLock™ S consumables
- 3 m (10 ft.) cable with electrode holder
- 3 m (10 ft.) work cable with clamp
- 3 m (10 ft.) industrial power cord
- Factory-installed gas solenoid
- Flow gauge regulator and gas hose for argon or AR/CO₂ mix
- Chain to secure gas cylinder
- .035/.045 in. reversible V-groove drive rolls
- Extra contact tips and material thickness gauge (229895)

Most popular accessories

- MDX™-250 EZ-Select™ MIG Gun 1770047
- Spoolmatic® Spool Guns
- XR-Aluma-Pro™ Air-Cooled Push-Pull Guns
- EZ-Latch™ Single Cylinder Running Gear 301449
- EZ-Latch™ Dual Cylinder Rack with Elevated Gun and Cable Rack 301481
- Protective Cover 301521
- Multimatic 255 TIG Kit 301518
- 10-Pin to 14-Pin Adapter Cord 273873

Stock Number	Welding Mode/Process	Amperage Range	Rated Output	Amps Input at Rated Output, 50/60 Hz	Wire Feed Speed	Max. Open-Circuit Voltage	Power Source Dimensions	Power Source Net Weight
907728 208–575 V	CV: MIG/flux-cored	20–350	230 A at 25.5 V, 60% duty cycle	208 V 240 V 460 V 575 V KVA KW	1.3–20 m/min. (50–800 ipm)	81 VDC	H: 489 mm (19.24 in.) W: 349 mm (13.75 in.) D: 667 mm (26.25 in.)	38 kg (84 lb.)
	CC: Stick	30–275	200 A at 28 V, 60% duty cycle	33.5 29 16.4 13.6 7.8 7.8	–			
	CC: DC TIG	5–275	275 A at 21 V, 60% duty cycle	34.1 29.9 17 14.1 8.1 8.1				