

Maxstar[®] 400

Part No: MR907716002

Exceptionally Smooth & Precise Arc.



APPLICATIONS	PROCESSES
Precision Metal Fabrication	TIG (GTAW)
Tube Mills	Pulsed TIG (GTAW-P)
Pipe and Tube Fabrication	Stick (MMAW)
Tool and Die	Air Carbon Arc (CAC-A)
Exotic Material Fabrication	
Pressure Vessel Fabrication	

AUTO-POSTFLOW

- > Calculates the length of postflow time based on the Amperage setting.
- > This eliminates the need to independently set the postflow time for different Amperages.
- > This feature preserves your tungsten and prevents porosity.

LIFT-ARC™ STARTING

Provides DC arc initiation without the use of high frequency.

METER CALIBRATION

Allows meters to be calibrated for certification.

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DC STICK FEATURES

DIG CONTROL

Allows the arc characteristics to be changed for specific applications and electrodes. Lower the DIG setting for smooth running electrodes like E7018 and increase the DIG setting for stiffer, more penetrating electrodes like E6010.

HOT START™ ADAPTIVE CONTROL

Provides positive arc starts without sticking.

DC TIG FEATURES

EXCEPTIONALLY SMOOTH AND PRECISE ARC

For welding exotic materials.

DC PULSE

Pulsing can increase puddle agitation, arc stability and travel speeds while reducing heat input and distortion.

FAN-ON-DEMAND™

Power source cooling system operates only when needed - reducing noise, energy use and the amount of contaminants pulled through the machine.

COOLER-ON-DEMAND™

Operates the auxiliary cooling system only when needed, reducing noise, energy use, and airborne contaminants pulled through the cooler.

PROGRAM MEMORY

Features 9 independent program memories that maintain/save your parameters.

COOLER POWER SUPPLY (CPS)

An integrated 120-volt dedicated-use receptacle for the Coolmate™ 3.5.

BLUE LIGHTNING™

High-frequency arc starter for non-contact arc initiation. Provides more consistent arc starts and greater reliability.

WIND TUNNEL TECHNOLOGY™

Protects internal electrical components from airborne contaminants, extending the product life.

3 YEAR WARRANTY

For details, refer to Miller's True Blue warranty statement.

AMP RANGE	INPUT VOLTAGE	RATED OUTPUT	INPUT AT RATED OUTPUT, 50/60 HZ			MAX. OPEN-CIRCUIT VOLT.	DIM. (MM)	WEIGHT
			AMPS	KVA	KW			
3 - 400A	400 V 3 PH	250 A at 30 V 100% Duty Cycle	13	9.4	9.1	75 VDC (10-15 VDC-VRD*) *Indicates sense-voltage for Lift-Arc™ TIG and VRD stick.	H: 629 mm W: 349 mm D: 559 mm with TIGRunner H: 1095 mm W: 587 mm D: 1111 mm	61kg with TIGRunner 114kg
		300 A at 32 V 60% Duty Cycle	17	12	11.6			
		400 A at 36 V, 20% Duty Cycle	25	18.1	17.3			

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ORDERING INFORMATION - AVAILABLE BASE PACKAGES

WATER-COOLED PACKAGE (TIG ONLY)

POWER SOURCE

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REQUIRED ACCESSORIES

MR300245	Coolmate 3.5
KIT0008	Water-cooled TIG kit - includes 8m TIG torch, argon gas regulator, 5m work lead with earth clamp, 500A G type & dinse plug, 5m gas hose
MR043810	Coolant
WGAK3	Torch accessory kit

OPTIONAL ACCESSORIES

MR195377	Water-cooled torch dinse adaptor (Note: Not required if ordering TIG kit KIT0008)
HA801AR	Argon regulator & flow gauge (Note: Not required if ordering TIG kit KIT0008)
MR187208	RMS-14 momentary push button 8m (Note: Not required if ordering TIG kit KIT0008)
MR151086	RCC-14 TIG remote fingertip current control (Note: Not required if ordering TIG kit KIT0008)
MR242211020	RHC-14 remote hand current control
MR300430	Wireless hand control & 14 pin receiver
MR300429	Wireless foot control & 14 pin receiver
MR300244	Runner cart