

Maxstar® 350/700

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TIG/Stick Welding
Power Source



Quick Specs



Applications

Precision Metal Fabrication
Tube Mills
Pipe and Tube Fabrication
Tool and Die
Exotic Material Fabrication
Pressure Vessel Fabrication

Process

TIG
Pulsed TIG
Stick

S **IP 23**

Input Power: 380- 575 VAC

Amperage Range: **350:** 5 – 350 A
300 A 60% DC 40° C
700: 5 – 700 A
600 A 60% DC 40° C

Weight: **350:** 61 kg
700: 90 kg

The Power of Blue.®



Auto-Line™ Allows for any input voltage hookup (380–575 V) with no manual linking, providing convenience in any job setting. Ideal solution for dirty or unreliable power.

120 V auxiliary power, receptacle for cooling system or small tools.

Wind Tunnel Technology™ protects internal electrical components from airborne contaminants, extending the product life.

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

Option: Automation Interface Kit 28 pins receptacle for automation and robot applications.

Programmable start parameters allow independent starting conditions based on process and memory selections (amperage and time).

Auto - Postflow calculates the length of post flow 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.



DC TIG Features:

Exceptionally smooth and precise arc for welding exotic materials.

High-Speed DC TIG Pulse Control - pulse frequency capable of pulsing 5000 pulses per second. Pulsing adds arc stability, reduces heat input and warpage and can increase travel speeds. Other parameters include peak amperage, peak time and background amperage.

Blue Lightning Arc Starter The Finest solid state Arc Start in the Industry! Maintenance free. Pre-set starting values by setting tungsten size. Parameters are automatically calculated.

Lift-Arc™ start provides arc starting without the use of high frequency.

DC Stick Features:

Tailored arc control (DIG) allows the arc characteristic to be changed for specific applications and electrodes. Smooth running 7018 or stiffer, more penetrating 6010.

Hot Start™ adaptive control provides positive arc starts without sticking.



Power source is warranted for 3 years, parts and labour.
Original main power rectified parts are warranted for 5 years.

MADE IN USA
APPLETON, WI



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Specifications



Model	Input Power	Amps Input at Rated Load Output, 50/60 HZ	Welding Amperage Range	Max. Open-Circuit Voltage	Dimensions	Weight
Maxstar 350	3 - Phase	14 A	5 – 350 A	75 VDC (10 - 15 V)*	H: 629 mm W: 349 mm D: 559 mm	61 kg
Maxstar 700	3 - Phase	35 A	5 – 700 A	75 VDC (10 - 15 V)*	H: 876 mm W: 349 mm D: 539 mm	90 kg

* Indicates sense voltage for Lift-Arc TIG and Low OCV Stick

Ordering Information

Power Source	Stock No.	Description
Maxstar 350	907 334 021	380 – 575 V, 50/60 Hz
Maxstar 700	907 103 021	380 – 575 V, 50/60 Hz
Accessories		
RFCS-14	043 554	Foot control, 6 m, 14 pins connector
RFCS-14 HD	194 744	Heavy duty foot control, 6 m, 14 pins connector
Coolmate 3,5	300 245	Cooler 115 VAC, fits directly under Maxstar 350/700
RunnerCart	300 244	Running gear for Coolmate 3,5 and Maxstar 350/700
BlueLiquid	050 024 004	Coolant, can 10 l
Interface kit	195 516	For automation and robot applications
Gas hose	903 700 OSL	Length 2 m, 3/8R insite 5/8R outside
Gasregulator	373 700 00	Elga Optimator gas saving regulator with flow meter
	371 050 00	Elga Tigex with flow meter
Welding cable		On request
TIG torches		Please look at price list
Line supply cable		Standard on 350, order separate for 700