

Dynasty[®] 350/700

September 2009 • Index No. AD/5.0

TIG/Stick Welding
Power Source



Quick Specs



Applications

Precision Fabrication
Heavy Fabrication
Pipe and Tube Fabrication
Aerospace
Aluminum Ship Repair
Anodized Aluminum Fabrication

Process

TIG
Pulsed TIG
Stick

S **IP 23**

Input Power:

208- 575 VAC, 3 Phase

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 (208-575 V) with no manual linking, providing convenience in any job setting. Ideal solution for dirty or unreliable power.

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.

Meter Calibration allows meters to be calibrated for certification.

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

Program memory features 9 independent program memories that maintain/save your parameters.

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.



Stick Features (AC/DC)

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.

AC frequency control adds additional stability when Stick welding in AC for smoother welds.


AC TIG Features:


Independent Amplitude/Amperage Control allows EP and EN amperages to be set independently to precisely control heat input to the work and electrode.


Extended AC balance (30-99%) controls the amount of oxide cleaning (amperage time in EN) which is essential for high quality welds on aluminum.


AC frequency (20-400 Hz) controls the width of the arc cone and the force of the arc.

AC Waveforms

 **Advance Squarewave** - fast freezing puddle, deep penetration and fast travel speeds.

 **Soft Squarewave** - for a soft buttery arc with maximum puddle control and good wetting action.

 **Sine wave** - for customers that like a traditional arc. Quiet with good wetting.

 **Triangular wave** - reduces the heat input and is good on thin aluminum. Fast travel speeds.

DC TIG Features

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.



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
Dynasty 350	3 - Phase	15 A	5 – 350 A	75 VDC (10 - 15 V)*	H: 629 mm W: 349 mm D: 559 mm	61 kg
Dynasty 700	3 - Phase	39 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
Dynasty 350	907 204 021	208 – 575 V, 50/60 Hz
Dynasty 700	907 101 021	208 – 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 Dynasty 350/700
RunnerCart	300 244	Running gear for Coolmate 3,5 and Dynasty 350/700
BlueLiquid	050 024 004	Koelvloeistof 10 l
BlueLiquid	050 024 004	Coolant, can 10 l
Interface kit	195 516	For automation and robot applications
Gasregulator	373 700 00	Elga Optimator gas saving regulator with flow meter
	371 050 00	Elga Tigex with flow meter
TIG torches		Please look at price list
Line supply cable		Standard on 350, order separate for 700