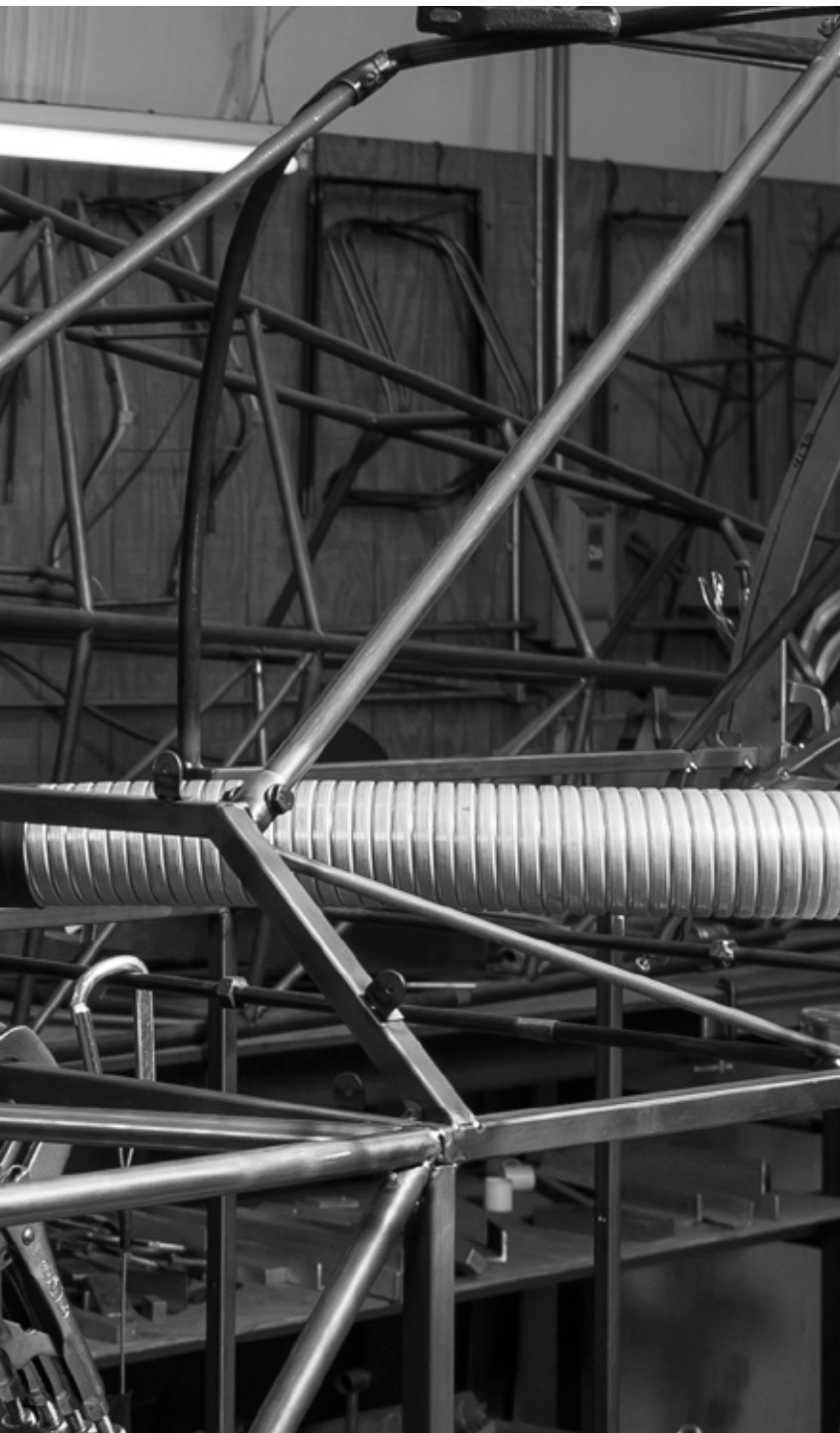




ASPECT 375 AC/DC
TIG WELDING MACHINE







Tecnología Avanzada de forma sencilla

Una soldadura de calidad siempre es importante. En algunas industrias y aplicaciones, la vida incluso puede depender de ello. Si este es el reto al que se enfrenta día a día, elija una soldadora TIG que cumpla con los exigentes estándares de calidad de las industrias aeroespacial, automovilismo, construcción naval, educacional y de fabricación.

El Aspect® 375 es la elección perfecta para misiones de soldaduras críticas, especialmente en aplicaciones que deben hacer frente a los requisitos de prueba más rigurosos



PRODUCT SPECIFICATIONS

Product Name	Product Number	Input Power	Rated Output Current/Duty Cycle	Input Current @ Rated Output (208/230/400*/460/575)	Output Range	H x W x D in (mm)	Net Weight lb (kg)
Aspect 375	K3945-1	200-600/1/3/50/60	3 Phase: 330A/40% 300A/60%	3 Phase: 60% Duty Cycle: 29/26/15/12/10 40% Duty Cycle: 27/24/14/11/9	3 Phase: 2-375A	21 x 11.8 x 25.5 (533 x 300 x 648)	105 (47.6)
Aspect 375 Ready-Pak* Pkg.	K3946-2		1 Phase: 240A/40% 225A/60%	1 Phase: 60% Duty Cycle: 34/31/NA/NA/NA 40% Duty Cycle: 32/29/NA/NA/NA	1 Phase: 2-250A	47 x 23 x 45 (1,194 x 584 x 1,143)	290 (132)

*Includes 380 to 413 V

AC WAVE SHAPE CONTROLS

Setting	Range	Results	
AC Frequency	40-400 Hz	A lower frequency results in a wider bead.	A higher frequency results in a more focused bead.
AC Balance control	35-99% (EN%)	A lower AC Balance (EN%) results in an arc with increased cleaning action.	A higher AC Balance (EN%) results in an arc with higher penetration.
Electrode Positive (EP) and Negative Offset (EN)	2-375 Amps EP	A higher Electrode Positive (EP) current value results in intensified cleaning action.	
	2-375 Amps EN	A higher Electrode Negative (EN) current value results in intensified penetration.	

PULSE FUNCTIONS

Setting	Range	Results
AC Pulse Frequency	0.1-25% of AC output frequency setting in pulses per second	Alternating the current between peak and background helps better manage heat input and minimize material distortion. Provides for better arc control and faster freezing for uphill welding. Helps moderate filler metal deposition at low pulse frequencies (less than 10 pulses per second).
DC Pulse Frequency	0.1-2,000 pulses per second	

AC WAVE FORMS

Setting	Results
Soft Square	Increased puddle control
Sine	A soft sounding arc
Square	Faster travel speeds
Triangular	Reduced heat input on thinner materials. Also provides for better cleaning on anodized applications

ACCESSORIES	Product Number	Base Unit (K3945-1)	Ready-Pak (shipped fully assembled)
			Aspect (K3946-2)
CoolArc 47 Water Cooling System	K3950-1	●	●
Inverter Cart	K3949-1	●	●
20H-320-25R Water Cooled TIG Torch with 25 ft. (7.6m) cable assembly	K4168-2	●	●
Zippered Torch Cable Cover - 25 ft. (7.6 m)	K918-4	●	●
Twist Mate™ Torch Adapter - Water-Cooled	K1622-5	●	●
Parts Kit for 20H-320-25R Water Cooled TIG Torch - contains: long back cap, 1/16 in., 3/32 in., 1/8 in. collets, 1/16 in., 3/32 in., 1/8 in. collet bodies, 1/16 in., 3/32 in., 1/8 in. 2% Ceriated tungsten, and three Alumina nozzles (5/16 in., 3/8 in., 7/16 in. orifices)	KP510	●	●
One Gallon of Low Conductivity Coolant (Two Gallons included Included with Ready-Pak)	KP4159-1	●	●
Foot Amptrol™ with 25 ft. (7.6 m) cable assembly	K870	●	●
Gas Regulator/Flowmeter and 10 ft. (3.0 m) Hose Kit	3100211	●	●
15 ft. Work Lead Assembly	K1803-3	●	●

ADDITIONAL ACCESSORIES

TIG

TIG Welding Gloves	K2981	●	●
VIKING™ 2450D	K3230-2	●	●
Arc Start Switch with 25 ft. (7.6 m) cable assembly	K814	●	●
Hand Amptrol (Rotary Track Style) with 25 ft. (7.6 m) cable assembly	K963-3	●	●
Parts Kit (KP509) for PTW-18 and PTA-26 series TIG torches	KP509	●	●
Twist-Mate™ Adapter for PTA-26 TIG Torch	K1622-3	●	●
PTA-26 200 AMP Air Cooled TIG Torch with 1pc 25ft. (7.6m) cable	K1783-3	●	●
Electrode Holder Kit with Ground Clamp and Twist-Mate™ Adapters	K2394-1	●	●
TIG Cut Length Consumables	See publication C1.10	●	●

● Included ● Optional



Aspect 375 Ready-Pak with Foot Amptrol™ Shown (K3946-2)

CUSTOMER ASSISTANCE POLICY

The business of The Lincoln Electric Company® is manufacturing and selling high quality welding equipment, consumables, and cutting equipment. Our challenge is to meet the needs of our customers and to exceed their expectations. On occasion, purchasers may ask Lincoln Electric for information or advice about their use of our products. Our employees respond to inquiries to the best of their ability based on information provided to them by the customers and the knowledge they may have concerning the application. Our employees, however, are not in a position to verify the information provided or to evaluate the engineering requirements for the particular weldment. Accordingly, Lincoln Electric does not warrant or guarantee or assume any liability with respect to such information or advice. Moreover, the provision of such information or advice does not create, expand, or alter any warranty on our products. Any express or implied warranty that might arise from the information or advice, including any implied warranty of merchantability or any warranty of fitness for any customers' particular purpose is specifically disclaimed.

Lincoln Electric is a responsive manufacturer, but the selection and use of specific products sold by Lincoln Electric is solely within the control of, and remains the sole responsibility of the customer. Many variables beyond the control of Lincoln Electric affect the results obtained in applying these types of fabrication methods and service requirements.

Subject to Change – This information is accurate to the best of our knowledge at the time of printing. Please refer to www.lincolnelectric.com for any updated information.