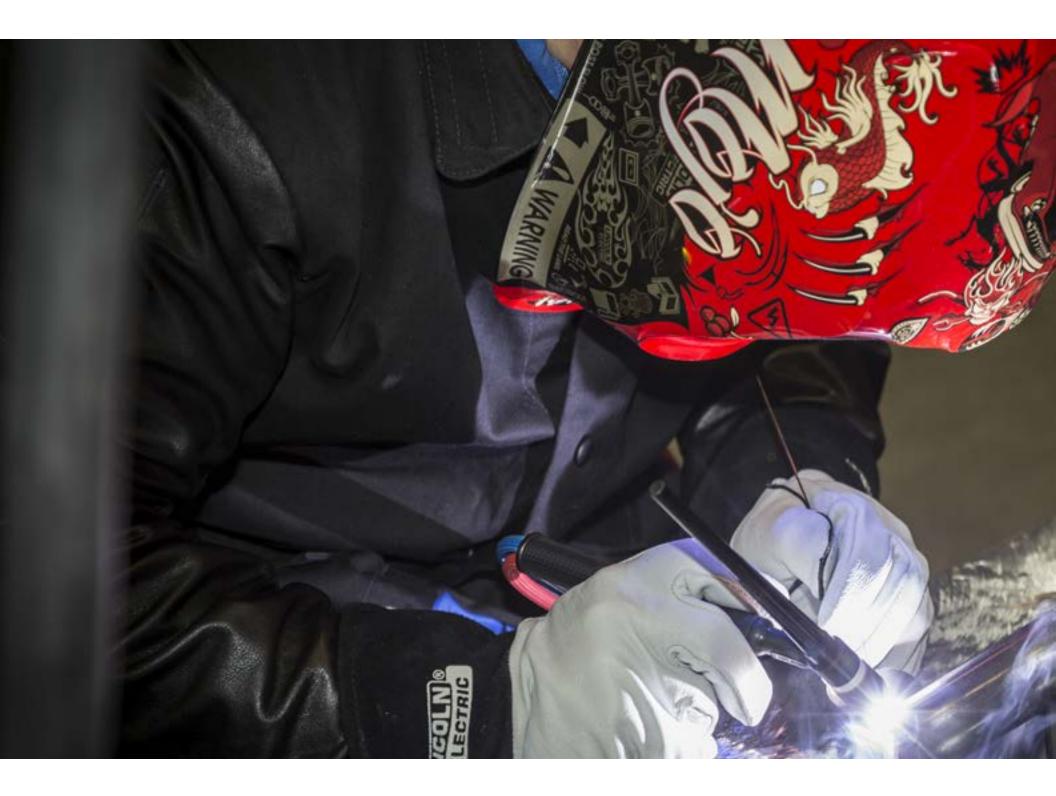
Precision TIG 275/375

375

PRECISION TIG







The Best of Both Worlds: Utility and range of thickness

The Precision TIG[®] 275 is a versatile shop machine ideal for any type of TIG or Stick welding maintenance application, including the use of 5/32-in. (4.0 mm) stick electrode. The 275 features the patented Micro-Start[™] II technology, which enhances starting and arc stability, and provides for more precise welds and crater fills.

When it's time for thicker materials and heavier jobs, choose the Precision TIG® 375, which provides for the highest duty cycle in its class. The Precision TIG 375 also features a built-in TIG pulser, that can be activated to help control heat input in the weld and reduce distortion and burn-through on thin materials.





Simplicity, Control and Range

Simplicity through technology

AC Auto Balance[®] automatically provides for the optimal mix of cleaning and penetration for welding on Aluminum. When welding thicker material requiring increased penetration, or when requiring increased cleaning action to break through heavy oxide layers, bypass AC Auto Balance and adjust manually for full control.

Advanced Pulse Control panel

Enable the TIG pulser to minimize material distortion from excessive heat input. The TIG pulser can also help moderate filler metal deposition for consistent bead appearance.

Wide output range

Tackle either end of the material thickness spectrum with an amperage range of 2 to 340 amps with the Precision TIG 275, and 2 to 420 amps with the Precision TIG 375.

Side-mounted torch holder and connections

Enables simple cable management and protection, and a place for your torch when not in use.

K2624-1 Precision TIG 375 Ready Pak

PRODUCT SPECIFICATIONS

Product Name	Product Number	Input Power	Rated Output Current/Duty Cycle (104°F, 40°C)	Input Current @ Rated Output	Output Range	H x W x D inches (mm)	Net Weight Ibs. (kg)
Precision TIG 275	K2619-1	208/230/460/1/60	275A/40% 225A/60%	104/94/47A 40% Duty Cycle 86/78/39 60% Duty Cycle	DC: 2-340A AC: 2-340A Max. OCV: 75V	31 x 22 x 26 (787 x 559 x 660)	397 (180)
	K2619-2	460/575/1/60	-	47/38A 40% Duty Cycle 39/31 60% Duty Cycle	With. OCV. 750		
	K2620-1	220-230/380-400/ 415/1/50/60		95/55/50A 40% Duty Cycle 80/46/42 60% Duty Cycle			
Precision TIG 275 Ready-Pak Package	K2618-1	208/230/460/1/60		104/94/47A 40% Duty Cycle 86/78/39 60% Duty Cycle		49.7 x 28 x 41 (1262 x 711 x 1041)	641 (291)
Precision TIG 375	K2622-1	208/230/460/1/60	375A/40% 350A/60%	112/102/51A 40% Duty Cycle with PFC 102/92/46 60% Duty Cycle	DC: 2-420A AC: 2-420A Max. OCV: 80V	31 x 22 x 26 (787 x 559 x 660)	507 (230)
	K2622-2	230/460/575/1/60		102/51/41A 40% Duty Cycle with PFC 92/46/37 60% Duty Cycle	Wax. OCV. 80V		
	K2623-1	220-230/380-400/ 415/1/50/60		119/69/63A 40% Duty Cycle with PFC 110/64/59 60% Duty Cycle			
Precision TIG 375 Ready-Pak Package	K2624-1	208/230/460/1/60		112/102/51A 40% Duty Cycle with PFC 102/92/46 60% Duty Cycle		49.7 x 28 x 41 (1262 x 711 x 1041)	751 (341)

Product Number	Precision TIG 275 (208/230/460) (K2619-1)	Precision TIG 275 (460/575) (K2619-2)	Ready-Pak (shipped fully assembled) (K2618-1)	Precision TIG 375 (208/230/460) (K2622-1)	Precision TIG 375 (230/460/575) (K2622-2)	Ready-Pak (shipped fully assembled) (K2624-1)
K1828-1			•			•
K870			•			٠
3100211			•			٠
K1784-4			•			٠
K918-2			•			٠
KP510			•			•
S19558-4			•			٠
K2150-1			•			٠
520403-4			•			
	K1828-1 K870 3100211 K1784-4 K918-2 KP510 S19558-4 K2150-1	275 (208/230/460) (K2619-1) K1828-1 K870 3100211 K1784-4 K918-2 KP510 S19558-4 K2150-1	275 (208/230/460) (K2619-1) 275 (460/575) (K2619-2) K1828-1 K870 3100211 K1784-4 K918-2 KP510 S19558-4 K2150-1	275 (208/230/460) (K2619-1) 275 (460/575) (K2619-2) (shipped fully assembled) (K2618-1) K1828-1 • • K870 • • 3100211 • • K1784-4 • • K918-2 • • KP510 • • S19558-4 • • K2150-1 • •	275 (208/230/460) (K2619-1) 275 (460/575) (K2619-2) (shipped fully assembled) (K2618-1) 375 (208/230/460) (K2622-1) K1828-1 • • • K1828-1 • • • K1828-1 • • • K1870 • • • 3100211 • • • K1784-4 • • • K918-2 • • • KP510 • • • S19558-4 • • • K2150-1 • • •	Product Number 275 (208/230/460) (K2619-1) 275 (460/575) (K2619-2) (shipped fully assembled) (K2618-1) 375 (208/230/460) (K2622-1) 375 (230/460/575) (K2622-2) K1828-1 -

Included
 Optional

_OPTIONAL ACCESSORIES	Product Number	Precision TIG 275 (208/230/460) (K2619-1)	Precision TIG 275 (460/575) (K2619-2)	Precision TIG 275 Ready-Pak (shipped fully assembled) (K2618-1)	Precision TIG 375 (208/230/460) (K2622-1)	Precision TIG 375 (230/460/575) (K2622-2)	Precision TIG 375 Ready-Pak (shipped fully assembled) (K2624-1)
GENERAL							
Advanced Control Panel	K2621-1	•	•	•			
Undercarriage	K1869-1	•	•		•	•	
STICK			·				
Accessory Kit - 150 Amp: includes 20 ft. (6.1 m) of #6 electrode cable with lug, 15 ft. (4.6 m) #6 work cable with lugs, headshield, filler plate, work clamp, electrode holder and sample pack of mild steel electrode	K875	٠	٠	٠			
Accessory Kit - 400 Amp: includes 35 ft. (10.7 m) of 2/0 electrode cable with lug, 30 ft. (9.1 m) 2/0 work cable with lugs, headshield, filler plate, work clamp and electrode holder	K704	•	•	٠	•	•	٠
Remote Output Control - 25 ft (7.6 m)	K857	٠	•	•	•	•	٠
Remote Output Control - 100 ft (30.5 m)	K857-1	•	•	•	•	•	•
TIG							
Hand Amptrol™ (Rotary Track Style) with 25 ft. (7.6 m) cable assembly	K963-3	•	•	•	•	•	٠
Foot Amptrol with 25 ft. (7.6 m) cable assembly	K870	•	•		•	•	
Wireless Pedal	K3127-1	•	•	•	•	•	•
Arc Start Switch with 25 ft. (7.6 m) cable assembly	K814	•	•	•	•	•	•
PTA-9 -17 One Cable Torch Adapter adapts the 3/8 in. PTA-9 or -17 fitting to the 5/8 in. gas and power connection on machine	K2166-3	•	•	•	•	•	٠
PTA-9 -17 -26 Two Cable Torch Adapter: Converts the 7/8 in. water and power connection on the machine to a 1/2 in. output stud for use with a two-cable air cooled TIG torch.	K2166-2	•	•	٠	٠	•	٠
PTA-26 One Cable Torch Adapter: adapts the 7/8 in. PTA-26 fitting to the 5/8 in. gas and power connection on machine.	K2166-1	•	•	•	•	•	٠
Harris® Gas Regulator/Flowmeter and 10 ft. (3.0 m) Hose Kit	3100211	•	•		•	•	
Under-Cooler Cart water cooler	K1828-1	•	•		•	•	
25 ft. (7.6 m) zippered cable cover	K918-2	•	•	•	•	•	٠
12.5 ft. (3.8 m) zippered cable cover	K918-1	٠	•	•	•	•	•
Cut Length Consumables	See C1.10	•	•	•	•	•	•
PTW-18 350 amp water cooled TIG torch w/ 3 pc. 25 ft. (7.6 m) cable	K1784-2	•	•	•	•	•	•
PTW-20 250 amp water cooled TIG torch w/ 3 pc. 12.5 ft. (3.8 m) cable	K1784-3	•	•	•	•	•	•
PTW-18 350 Amp Water Cooled TIG torch with 12.5 ft. (3.8 m) cable assembly	K1784-1	•	•	•	•	•	•
PTW-20 250 amp water cooled TIG torch w/ 3 pc. 25 ft. (7.6 m) cable	K1784-4	•	•	•	•	•	•
PTA-17 150 amp TIG torch w. 2 pc. 25 ft. (7.6 m) cable	K1782-4	•	•	•	•	•	•
PTA-17 150 amp TIG torch w. 1 pc. 25 ft. (7.6 m) cable	K1782-3	•	•	•		•	•
PTA-26 200 Amp air cooled TIG torch w/ 2 pc 25 ft. (7.6 m) cable	K1783-4	•	•	•	•	•	•
PTA-26 200 Amp air cooled TIG torch w/ 1 pc 25 ft. (7.6 m) cable	K1783-3	•	•	•		•	•
Parts Kit & what is included: contains a short back cap, 0.040 in., 1/16 in., and 3/32 in. collets, 0.040 in., 1/16 in., and 3/32 in. collet bodies, 0.040 in., 1/16 in., and 3/32 in. 2% Ceriated ungsten, and three Alumina nozzles (1/4 in., 5/16 in., 3/8 in. orifices)		•	•	•	•	•	•
Add Parts Kit for PTW-20 Series torches contains a long back cap, 1/16 in., 3/32 in., 1/8 in. collets, 1/16 in., 3/32 in., 1/8 in. collets, 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	•	•	٠	•	•	٠
Parts Kit for PTW-18 & PTA-26 series TIG torches: contains a short 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., 1/2 in. orifices)	KP509	•	٠	٠	•	•	٠
2-Year Extended Warranty - Precision TIG 275 (for K2619-x)	X2619	•	•	•			
2-Year Extended Warranty - Precision TIG 375 (for K2622-x)	X2622				•	•	٠
Weld Fume Control System	See Fume Control Section	•	•	•	•	•	٠
	1	1	1	1	1	 Included 	Ontional

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, including any implied warranty on alter any warranty on our products. Any express or implied warranty that might arise from the information or advice, including any implied warranty of fitness for any warranty of fitness for any customers' particular purpose is specifically disclaimed.

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