

# POWER WAVE® 300C CE

Advanced process welder.



## The ultimate all-in-one machine.

From technical training to industrial fabrication, Lincoln Electric is introducing an all-new industrial 300 Amp, Do-Everything Power Wave.

Packed with all of the performance and leading-edge technology you expect from a Power Wave system, now completely revamped to take the industrial “all-in-one” class of welders to the next level.

### Processes

SMAW, GTAW, GMAW, GMAW-P, FCAW, GTAW-HF, STT MIG

### Applications

General Fabrication, Education

### Input



### Output



### Product Number

Power Wave® 300C Advanced CE  
K4490-2

## Key Features

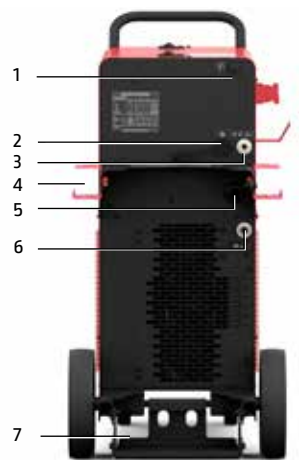
- **Best-in-Class Performance** Industry's only true 300Amp, 100% Duty Cycle, All-Process Machine.
- **All-Process Versatility** Stick, TIG, MIG, Flux-Cored, Arc Gouging processes, with advanced weld modes and integrated High Frequency and AC/DC capabilities.
- **Intelligent Connectivity** Intelligent, operator-focused interface and powerful Industry 4.0 capabilities including CheckPoint® Production Monitoring.
- **Flexible Input Power** PowerConnect® Technology allows for 200V-600V input power while maintaining consistent and reliable arc performance.
- **Ready-to-Run™ Design** Standard features for simple and straightforward operation, including cable management hooks, integrated cart with tilting bottle rack, and TIG solenoid.

## KEY CONTROLS

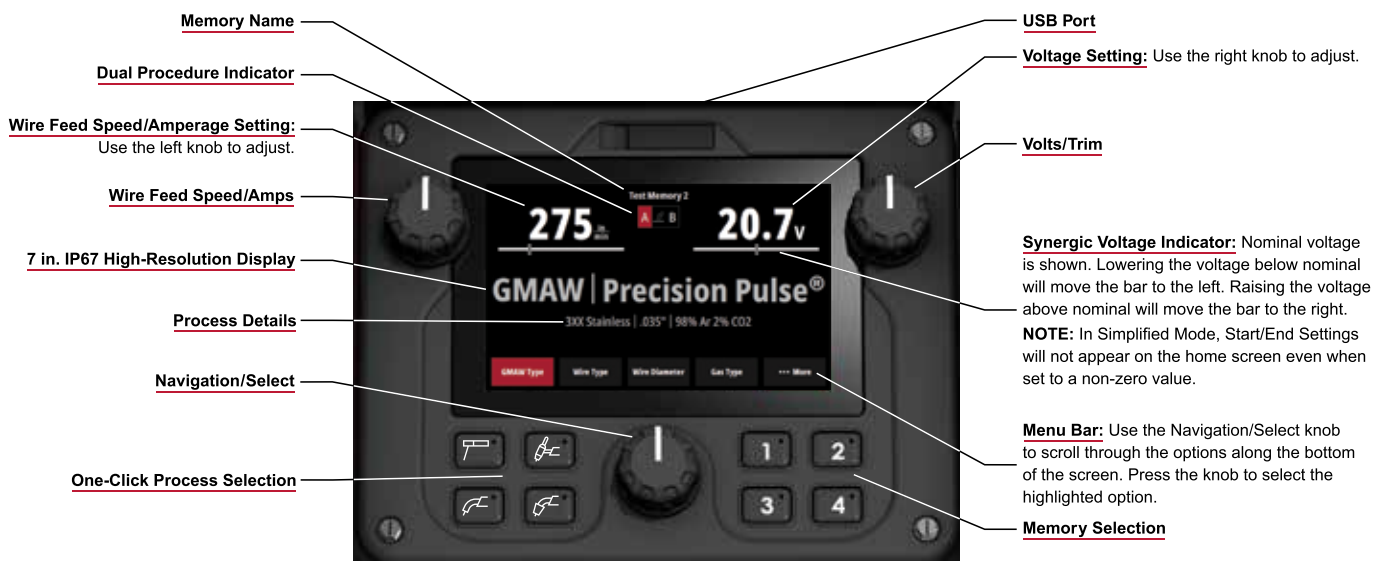
1. User Interface / Controls w/USB Port
2. Cable / Torch Hanger
3. Remote Connection, 12 pin
4. Power Source ON/OFF
5. MIG/FCAW Gun Connection
6. Sense Lead Connection (if required)
7. Twist Mate ground connections
8. Twist Mate™ connections W / integrated TIG gas solenoid



1. 115V cooler power supply
2. Ethernet Connection
3. MIG/FCAW Shielding Gas Input
4. Tool Holder
5. Power Cable Input
6. TIG Shielding Gas Input
7. Tilting Bottle Rack



## ADVANCED USER INTERFACE



## MODELS & PACKAGES AVAILABLE



### K4490-2 Power Wave 300C Advanced CE

- AC/DC Output
- Multi-Process Capabilities, with Advanced Waveforms:
  - Smart Pulse™, Low Fume Pulse™, and STT®
  - HF TIG including AC Aluminum Modes

#### What's Included

- 4.5 m Work Lead (K1803-3)
- 0.9 / 1.2 mm Combination V-Groove Drive Rolls (Included in Wire Drive Assembly) (KP1696-1)

## ADDITIONAL POWER WAVE 300C ACCESSORIES



### K4866-1 Dual Gas Bottle Upgrade Kit

Allows for the use of multiple gas bottles or a combination of a gas bottle and water cooler on the rear of a Power Wave 300C



### K4898-1 Water cooler adaptor kit

Allows Cool Arc® 40 Water Cooler to be installed in place of a gas bottle on the 300C single or dual bottle rack



### K1813-1 Coolarc 40

Allows Cool Arc® 40 Water Cooler to be installed in place of a gas bottle on the 300C single or dual bottle rack

## CONSUMABLES

### Drive roll kits

Wire Type	Wire Diameter (mm)	Reference	
Solid	0.6-0.8	KP1696-030S	
	0.9	KP1696-035S	
	0.9 / 1.2 Combination	1.0	KP1696-1
		1.2	KP1696-2
			KP1696-045S
Cored	0.9	KP1697-035C	
	1.2	KP1697-045C	
Aluminum	0.9	KP1695-035A	
	1.2	KP1695-3/64A	
	1.6	KP1695-1/16A	



Shown:  
KP1697-035C, Cored Drive Roll Kit

## RECOMMENDED ACCESSORIES



**Screen Protector**  
Order KP4735-1



**Remote Output Control with 12-pin Universal Connector**  
Consists of a control box with choice of two cable lengths. Permits remote adjustment of output.  
Order K857-2 (7.6 m 25 ft)  
Order K857-3 (30.5m 100 ft)



**TIG Adapter C5B**  
Requires to use C5B tig gun  
Order K14349-1



**Tig adapter adv mod**  
Requires to use Tig gun with no central gas connector  
Order K14144-1



**Fast-Mate™ Adapter**  
Allows guns with a Fast-Mate™ style back end to connect into Power Wave® 300C and Power MIG® power sources  
Order K489-8



**Spindle Adapter for Small Spools**  
Permits 200 mm (8 in.) O.D. spools to be mounted on 51 mm (2 in.) O.D. spindles  
Order K468



**Spindle Adapter for 14lb Coils**  
Permits 6 kg (14 lb). Innershield® coils to be mounted on 51 mm (2 in) O.D. spindles  
Order K435



**Readi-Reel™ Adapter**  
Adapts 10-14 kg (22-30 lb.) Lincoln Readi-Reels® of electrode to 51 mm (2 in.) spindle  
Order K363P



**Hand Amptrol Rotary Track Style, 12-pin**  
Amphenol 7.6 m (25 ft) Remote current control for TIG welding  
Order K963-4



**Foot Amptrol™ (00002440)**  
Provides 7.6 m (25 ft.) of remote output control for TIG welding. (12-pin plug connection).  
Order K870-2

## PRODUCT SPECIFICATIONS

Product Name	Product Number	Input Voltage / Phase / Hertz	Output Range	Rated Output / Voltage / Duty Cycle	Input Current @ Rated Output	Dimensions H x W x D (mm)	Weight (kg)
Power Wave 300C Advanced	K4490-2	200-208/220-230/ 380-415/460/575V 3PH 50/60Hz	5-350A	GMAW: 350A / 31.5 V / 40% GMAW: 300A / 29 V / 100%  SMAW: 325A / 33V / 40% SMAW: 280A / 31.2V/100%  FCAW: 350A / 31.5 V / 40% FCAW: 300A / 29 V / 100%  TIG: 325A / 23V / 40% TIG: 300A / 22V / 100%	Duty Cycle 40%: 44/40/25/20/16.5  Duty Cycle 100%: 35/32/19.5/16/14	1007.6 x 524.5 x 1005.8	102.5

### CUSTOMER ASSISTANCE POLICY

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