

Power Wave® STT® Module Power Wave® Advanced Module

Add STT® / AC and TIG HF Process Capability



Power Wave® STT® Module adds STT® (Surface Tension Transfer®) process capability to any compatible Power Wave® S-Series and R-Series power source to gain outstanding puddle control for critical sheet metal or pipe root pass welding standard. Power Wave® Advanced Module adds AC TIG and MIG process capability to any compatible Power Wave® S-Series power source to gain outstanding performance for Aluminium welding. Advanced Module allows STT® process as well.

Features

- Exceptional Arc Control.
- UltiArc® – in synergic modes, it dynamically and simultaneously controls all heat input / arc parameters together. The result is easy procedure setting for the operator.
- Modular Design – allows easy connection and fast digital ArcLink® communication with compatible S-Series Power Wave® power sources, Power Feed® wire feeders and water coolers. Add STT® / AC and TIG capability without having to purchase a second power source.
- Compact Footprint – securely connects directly below Lincoln S-Series Power Wave® models, without taking valuable floor space.
- Self-Protecting Circuits – the module will protect itself from the excessive transient voltages associated with highly inductive weld circuits.



Processes for Power Wave® STT® Module

- MIG-STT
- Power Wave® Advanced Module
- MIG-STT, AC MIG Pulse
- AC TIG, AC TIG HF
- DC TIG, DC TIG HF, DC TIG-P, DC TIG-P HF

Recommended Packages Include

- PF4X, 8X (Advanced Module)
- Power Wave® power source, Input cable, Work clamp and cable assembly + COOLARC® 50 for water cooled version
- 5m-Interconnection cable, MIG gun, Tig torch (Advanced Module) and gas regulator

Key Options Advanced Module

- K3980-1 CE KIT-1
- K14144-1 CE KIT-2 TIG

INPUT OUTPUT



Technical Specifications

Product	Item Number	Input Voltage	Rated Output	Weight (kg)	Dimensions HxWxD (mm)	Protection Class
Power Wave® STT® Module	K2921-1	40V DC	500A/60%	21.3	292 x 353 x 630	IP23
Power Wave Advanced Module	K2912-1		350A/40%	32		

Accessories

ACCESSORY KITS

Cable kits (ground)

For Power Wave
Item n°:

- GRD-400A-70-10M [400A – 70 mm² – 10 m]
- GRD-400A-70-15M [400A – 70 mm² – 15 m]



Interconnection cables

Fast-mate (x2), gas hose, protection, (2.5, 5, 10, 15, 20, 25 & 30 m) (with cross switch)

Item n°:

For Speedtec 405SP/505SP & Power Wave

- K10349-PG-xM (air cooled)
 - K10349-PGW-xM (water cooled)
- For STT II
- K10370-PG-xM (air cooled)



UNDERCARRIAGES

• Undercarriage with gas cylinder platform, delivered as a kit, for use Speedtec 405/505S & SP
Item n°: K14096-1



• Undercarriage with gas cylinder platform, delivered as a kit, for use with PW C300
Item n°: K14087-1



• Undercarriage with gas cylinder platform, delivered as a kit, for use with PW S350/500
Item n°: K14085-1



MIG GUNS

LINC GUN™ range

As standard these guns come with an ergonomic grip, springs on both sides of the cable, retractable pins and a "rotating ball joint" at the end of the gun grip.

Air cooled

STANDARD GUNS

- LGS 150G, 150A @ 60%
K10429-15-xM 3 m, 4 m or 5 m
- LGS 250G, 200A @ 60%
K10429-25-xM 3 m, 4 m or 5 m
- LGS 360G, 300A @ 60%
K10429-36-xM 3 m, 4 m or 5 m

PREMIUM GUNS

- LGP 250G, 200A @ 60%
K10413-25PHD-xM 3 m, 4 m or 5 m
- LG 250G FX, 200A @ 60%
K10413-25FX-xM 3 m, 4 m or 5 m
- LGP 360G, 300A @ 60%
K10413-36PHD-xM 3 m, 4 m or 5 m
- LGP 420G, 350A @ 60%
K10413-42PHD-xM 3 m, 4 m or 5 m

Water cooled

STANDARD GUNS

- LGS 505W, 450A @ 100%
K10429-505-xM 3 m, 4 m or 5 m

PREMIUM GUNS

- LGP 550W, 500A @ 100%
K10413-55PHD-xM 3 m, 4 m or 5 m



WATER COOLERS

COOL ARC® 50

For PW C300 / S350 / S500
Item n°: K14050-1

COOL ARC® 46

For Speedtec 405SP & 505SP
For V350-PRO & DC400
Item n°: K14105-1

COOLANT ACOROX

[2x5l]
Item n°: K10420-1



DRIVE ROLL KITS

2 rolls

- KP1696-030S 0.6-0.8 mm
- KP1696-035S 0.9 mm
- KP1696-045S 1.2 mm
- KP1696-052S 1.4 mm
- KP1696-1/16S 1.6 mm
- KP1697-035C 0.9 mm
- KP1697-045C 1.0-1.2 mm
- KP1697-052C 1.4 mm
- KP1697-1/16C 1.6 mm
- KP1697-068 1.8 mm
- KP1697-5/64 2.0 mm
- KP1697-3/32 2.4 mm



AUTODRIVE SYSTEMS

- AutoDrive® 19 Controller Relays wire feed commands from a Power Wave® S-Series power source to any AutoDrive® Series robotic wire drive for automated welding operation.
- AutoDrive® 19 Tandem Controller Relays wire feed commands from Power Wave® S-Series power source to any AutoDrive® Series robotic wire drive for automated tandem welding operations.

DEVICENET™ KIT

The kit allows DeviceNet™ connectivity to control the power source. Includes internal harness and 5-pin DeviceNet™ receptacle for mounting on power source back panel.

