



## PULSED PERFECTION MULTI COMBINATIONS

The Power Wave 345M C is an Industrial Compact Pulse welding machine with a complete set of features. As standard the machine is supplied with an extended set of synergic welding programs to support Steel, Stainless Steel, Aluminum, High Nickel, CUSi, Conventional CV, MIG, Stick and Lift TIG.

RapidArc™ is available as standard on the Power Wave 345M C and will provide a shorter Arc compared to Pulse. With RapidArc™ you get a higher travel speed, reducing the heat input and distortion. It can be used with Steel and Stainless Steel.

Power Mode® can be also used for Steel and Stainless Steel. It is an electronically controlled Short Arc process reducing spatter and cold fusion problems.

The Hot/Soft start facility allows welding with a higher or lower current before the required welding parameters are established. The Hot Start is most beneficial for aluminum applications. When welding cold Aluminum material, the higher energy levels at the start provide better wetting and a flatter weld.

The Power Wave 345M C is a user-friendly machine with a clean and easy to understand user interface and an extensive set of features. The case of the machine itself incorporates a parts storage compartment. Incorporated in the machine is the same rugged four-roll drive as used in all new LF wire feeders assuring perfect feeding from the coil to gun tip.

### WHAT IS S2F ?



With "Start to (2) Finish" Lincoln takes the total solution approach. A chain is always as strong as the weakest link therefore we are addressing all the issues from wire to tip. Starting with our premium "Super Glaze" wire through the right drive rolls to the special LG S2F welding gun. This gun has double cooling and uses a "polygon" wire tip with five side contact for better conductivity and long life cycle. The machine itself has advanced starting,

optimizing the start of the Arc, the welding behaviour belongs to the best in class and if you stop welding the crater mode will fade your current down with a "cleaning pulse" at the end. The sharp and clean wire end will assure perfect starting without the need to cut the wire before. S2F is focussing on Aluminum applications but it will payoff for all other materials also.

## ADVANTAGES

- ✓ The POWER WAVE 345M C has superb arc welding characteristics in Pulse, Pulse on-Pulse®, CV, Stick and TIG DC.
- ✓ As standard a variety materials are supported; Steel, Stainless, Aluminum but also High Nickel and CuSi.
- ✓ RapidArc™ for a higher travel speed and less Heat Input with Steel and Stainless.
- ✓ PowerMode® for premium Short Arc welding Steel and Stainless especially with thin plate.
- ✓ S2F for premium Aluminum welding.
- ✓ Clearing Pulse providing a clean wire tip without a ball, ready to restart.
- ✓ Pulse-on-Pulse® for a nice weld bead appearance and the welding of thin plate.
- ✓ Hot/Soft start procedure to support Hot start for aluminum applications.
- ✓ Equipped with craterfill as standard.
- ✓ 8 memory locations are available to store specific work points.
- ✓ Digital meters allow the presetting and readout of the actual parameters during welding.
- ✓ Ready to connect a push pull gun with remote functions.
- ✓ Meeting IEC60974-1, EN60974-1, EN501199 WEEE, RoHS, CE.
- ✓ Three Year Warranty on Parts and Labour.

## TECHNICAL SPECIFICATIONS

Product Name	Cooling	Item Number	Input Voltage	Current range	Rated Output DC (40°C)	Fuse size	Weight	Dimensions H x W x D (mm)	Protection Class	Compliance
PW345M C	Air	K10355-2A	230 / 400V +/- 10%	5 - 350A	350A/45V/35% 300A/32V/60% 230A/29V/100%	32 A	135 KG	880x680x1100	IP23	EN 60974-1 EN 50199 CE RoHS & WEEE
	water	K10358-2W					162 KG			

## OPTIONS

Description	Item number
Drive rolls	KP10344-x
TIG connector	K10392
Gas regulator	K10182-6

## S2F OPTIONS

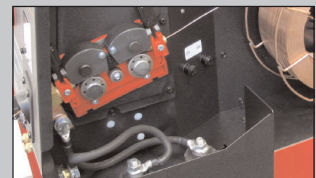
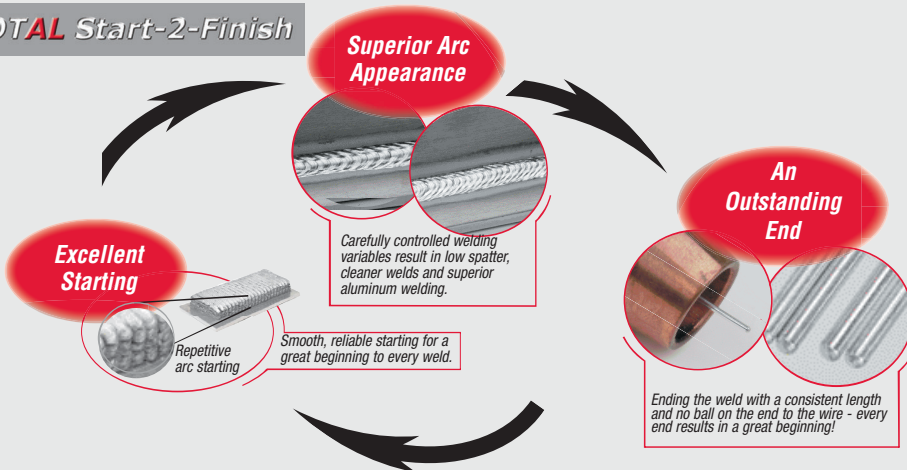
Description	Item number
LG PP300 A push pull gun 8m incl. remote	K10413-PPAR
LG PP400 W push pull gun 8m incl. remote	K10413-PPWR
LG S2F W gun water cooled 4M	K10413-ALU-4M
Drive roll set 1.0-1.2mm ALU	KP10344-1.2A
Polygon Premium wire tip 1.0mm (10 pcs)	KP10445-10PLG
Polygon Premium wire tip 1.2mm (10 pcs)	KP10445-12PLG

Note: guns ready to go for 1,2mm Aluminium wire

## PACKAGE INCLUDES

Input cable	5 meters
Work cable	5 meters
Drive roll	1,2 mm
Undercarriage	

## TOTAL Start-2-Finish



Four roll drive changable polarity



Storage compartment



Presettable and actual parameters

WFS & Voltage / Trim

Feature selection

Program selection

Push / Pull connector

Remote control

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