

# SP-140T

## Processes

MIG, Flux-Cored

## Product Number

K2688-2

See back for complete specs

## Input Power

120/1/60

## Input Current at Rated Output

20A

## Rated Output Current/Voltage/Duty Cycle

90A/19.5V/20%

## Output Range

30-140 Amps DC

50-500 ipm WFS

(1.3-12.7 m/min)

Max. OCV: 33

## Weight/Dimensions (H x W x D)

54 lbs. (24.5 kg)

13.65 x 10.38 x 18.16 in.

(347 x 264 x 461 mm)

## 120 Volt AC Input Compact Wire Welder

Here's a great little welder for project and repair welding at home, on the farm or in an autobody shop.

### FEATURES

- ▶ **Superior Arc Performance** – Forgiving arc and simple tapped voltage control make dialing in your application easy. Smooth arc starts with minimal spatter. Wide 30-140 amp welding output range.
- ▶ **Precise Wire Drive** – Precision full adjustment drive system reduces chance of wire tangling and crushing. Brass-to-Brass gun connections for enhanced conductivity. Large industrial closed-design drive motor for improved torque and trouble-free performance.
- ▶ **No Hassle Tool-less Design** – for wire spool mounting, wire drive service and polarity changes.
- ▶ **Spool Gun Capable** – Add the economical Magnum® 100SG spool gun for enhanced aluminum wire feeding performance.
- ▶ **Toughest PC Board Protection in the industry** – 'Potted' to seal sensitive components from the environment, 'trayed' in a tough plastic tray to add rigidity and shock resistance.

### APPLICATIONS

- ▶ **Metal Fabrication**
- ▶ **Maintenance and Repair**
- ▶ **Autobody/Farm**
- ▶ **Light Industrial**



Shown K2688-2

### WHAT'S INCLUDED

#### K2688-2 Includes:

- ▶ Magnum® PRO 100L gun, 10 ft. (3.0 m)
- ▶ Gas and Gasless Nozzles
- ▶ Gas Diffuser
- ▶ Cable Liner
- ▶ .025 in. (0.6 mm) and .035 in. (0.9 mm) Contact Tips
- ▶ Work Cable and Clamp
- ▶ Adjustable Gas Regulator and Hose
- ▶ Spindle Adapter
- ▶ Full Size Spool of .025 in. (0.6 mm) SuperArc® L-56® Mild Steel MIG Wire
- ▶ Full Size Spool of .035 in. (0.9 mm) Innershield® NR-211-MP Flux-Cored Wire
- ▶ Learn-To-Use DVD
- ▶ .025 - .030 in. (0.6 - 0.7 mm) and .035 in. (0.9 mm) Smooth Drive Rolls for MIG
- ▶ .030 - .045 in. (0.7 - 1.1 mm) Knurled Drive Roll for FCAW

#### INPUT



#### OUTPUT



Two Year Extended  
Warranty Available in  
the U.S.A. and Canada



#### THE LINCOLN ELECTRIC COMPANY

## PERFORMANCE PLUS

### SP-140T Welding Capabilities

Process	Wire Dia. (in.)	Wire Diameter															
		24ga.	22ga.	20ga.	18ga.	16ga.	14ga.	12ga.	10ga.	3/16"	1/4"	5/16"	3/8"	1/2"			
Flux-Cored Welding – Steel	.030																
	.035																
MIG Welding – Steel	.025																
	.030																
	.035																
MIG Welding – Aluminum	.035																

SP = Single Pass  
MP = Multiple Pass

L12603-2



KP2529-2 Shown

#### DRIVE ROLL AND WIRE GUIDES

Product Number	Wire Diameter in. (mm)	Type/Process
<b>Drive Rolls</b>		
KP2529-1	.025 - .030 (0.6 - 0.8)	Smooth/MIG
KP2529-2	.035 (0.9)	Smooth/MIG
KP2529-3	.030 - .045 (0.8 - 1.1)	Knurled/Flux-Cored

## RECOMMENDED ACCESSORIES

### GENERAL OPTIONS

#### Welding Cart

Full-featured cart is designed to store and transport a welder, 80 cubic foot gas cylinder, welding cables and accessories. Includes an angled top shelf for easy access to welder controls, a lower tray for added storage space, a sturdy handle also used as a convenient cable wrap hanger.

Order K2275-1

#### Utility Cart

Heavy duty cart stores and transports welder, 150 cubic foot shielding gas cylinder, welding cables and accessories. Includes stable platforms for welder and gas bottle platform, lower tray for added storage capacity and adjustable height handle.

Order K520

### Small Canvas Cover

Protect your welder when not in use. Made from attractive red canvas that is flame retardant, mildew resistant and water repellent. Includes a convenient side pocket to hold your welding torch or gun.

Order K2377-1

### Spot Timer Kit

This timer allows you to set a fixed weld time of up to 10 seconds that is initiated when you pull the gun trigger. Ideal for making consistent spot welds on thin sheet metal.

Order K2525-1

### WIRE FEEDER OPTIONS

#### Magnum® 100SG Spool Gun

Designed to easily feed 4 in. (102 mm) diameter 1 lb. (0.45 kg) spools of .030 in. (0.8 mm) or .035 in. (0.9 mm) diameter SuperGlaze® aluminum MIG wire. Includes gun, adapter kit, .035 in. (0.9 mm) contact tips (qty. 3), gas nozzle, and a 1 lb. (0.45 kg) spool of SuperGlaze® 4043 .035 in. (0.9 mm) MIG wire. Packaged in a convenient carrying case.

Order K2532-1

#### Welding Fume Extractors

Lincoln Electric offers a wide variety of welding fume extraction environmental system solutions, ranging from portable systems easily wheeled around the shop to shop-wide central systems servicing many dedicated welding stations.

Request Publication E13.40

## PRODUCT SPECIFICATIONS

Product Name	Product Number	Input Power	Rated Output Current/Voltage/Duty Cycle	Input Current @ Rated Output	Output Range	H x W x D inches (mm)	Net Weight lbs. (kg)
SP-140T	K2688-2	120/1/60	90A/19.5V/20%	20A	30-140 Amps DC 50-500 ipm WFS (1.3-12.7 m/min) Max. OCV: 33	13.65 x 10.38 x 18.16 (347 x 264 x 461)	54 (24.5)

For best welding results with Lincoln Electric equipment, always use Lincoln Electric consumables. Visit [www.lincolnelectric.com](http://www.lincolnelectric.com) for more details.

### 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.

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**ELECTRIC**  
THE WELDING EXPERTS®