



# RESISTANCE SPOT WELDING SYSTEM



PRO SPOT



## TECHNICAL SPECIFICATIONS

Input voltage:	208-240V 50/60 Hz. 3 phase 60A 400-420V 50/60 Hz. 40A 460-480V 50/60 Hz. 40A Primary power duty cycle 5%. 3s use per 1 min.
Welding amperage:	12,500 max A (3-phase)
Welding cable length:	8' (2.5m) standard
Electrode Force:	
Standard Gun:	At 60 PSI (4.1 bar)-350 Lb (156 DaN)
Part No: PS-500W (Blue Cylinder)	At 90 PSI (6.2 bar)-530 Lb (236 DaN) At 116 PSI (8 bar)-680 Lb (302 DaN) At 135 PSI (9.3 bar)-790 Lb (351 DaN)
High Pressure Gun:	At 60 PSI (4.1 bar)-585 Lb (260 DaN)
Part No: PS-600 (Black Cylinder)	At 90 PSI (6.2 bar )-880 Lb (391 DaN) At 116 PSI (8 bar)-1130 Lb (503 DaN) At 135 PSI (9.3 bar)-1320 Lb (587 DaN)
Cooling system:	Water cooling (inverter, transformer, welding gun) Air (2 fans), Compressed air (weld gun and weld cables)
Micro processor:	i4 Upgradeable Software Platform (flash card)
Protection:	IP21
Patents (3):	no. 5,239,155, no. 6,706,990, no. 6,539,770
Dimensions (DxWxH):	28"(711mm)x12.5"(318mm)x50"(1270mm)
Shipping weight:	373lb (169kg)
Welder height:	50"
Welder w/Arm Assembly height:	83.25"

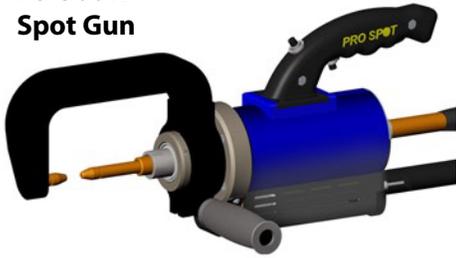
## FEATURES

- Inverter technology, 2000Hz.
- Water-Cooled
- Fully Upgradeable software stored on removable flash card
- Senses the output current and provides consistent weld current regardless of the power source.
- Senses the voltage and auto-compensates for voltage drops.
- OEM repair procedures on-board.
- Multiple languages, change on-the-fly.
- Designed for new advanced steels: AHSS, HSS, T.R.I.P, BORON
- 4 cable system
- Double-Acting Spot Gun
- Two sided spot welding
- Single sided welding
- X-Gun adaptive
- Ceiling-mounted version available
- Built-in MIG welder available (optional)



## Water-Cooled Double-Acting Spot Guns

### PS-500W Spot Gun



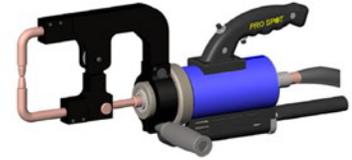
- Double-Acting cylinder
- Water-Cooled
- Wide-spreading electrodes
- Self-aligning electrodes
- Extra deep 600mm extension arm
- Wheel house arm
- X-Gun adaptive
- Replaceable electrode caps

### X-Adapter (optional)

Switch between C and X guns in just 15 seconds. Best of both worlds in one gun!



The X-type design is used on certain applications where the C-type can't reach. 90% of all welding needs can be done with the C-type but for some radiator support and truck bed pinch welds, the X-Adapter works better. This new invention from Pro Spot now makes it possible to weld where you never could before!



### PS-600 High Pressure Spot Gun



PS-307 High Pressure Arm 80mm



PS-308: 500mm High Pressure Arm



PS-302: C-Arm



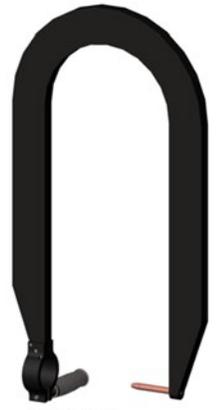
PS-52-5/8: Wheel House Arm



PS-403: X-Adapter (optional)



PS-305: 508mm Extension Arm

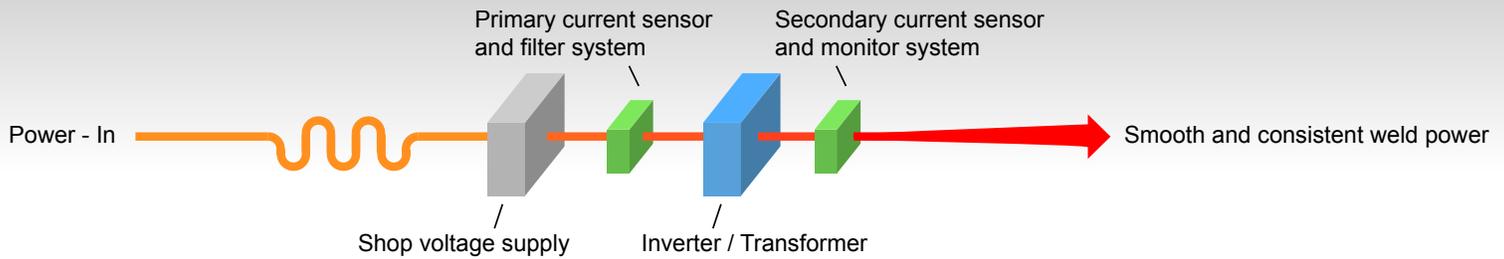


PS-503-W: 600mm Extension Arm (optional)

The Pro Spot i4 comes with a variety of extension arms to accommodate any welding job situation.

**NOTE:** Extension arms marked "optional" are available from your local distributor or online at [www.prospot.com](http://www.prospot.com)

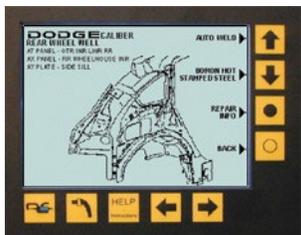
## Advanced Primary and Secondary Current Sensing System



Boron Steel Welding



OEM Training on-board



Repair Procedures



Multiple Languages



## Single-Sided Features

The i4 comes standard with a 4-cable system. That means quicker changes between 2-sided and 1-sided welding.

