WATER-COOLED INVERTER SPOT WELDING SYSTEM

DESIGNED FOR ALL THE NEW ADVANCED HIGH STRENGTH STEELS

PRO SPOT
QUALITY WELDING SYSTEMS

WATER-COOLED INVERTER SPOT WELDING SYSTEM

PRO SPOT
WATER COOLED

prospot.com

Weld Bonding
Boron Steel Welding
OEM, Training on-board
OEM requirements are ever changing. Check in at prospot.com for a complete list of approvals.

Materials being used in today’s cars are ever changing. More than 10 different types of steel in one vehicle is not unusual. High strength steels from 480 MPA, 980 MPA, 1500 MPA and now 1700 MPA are not uncommon in these new vehicles.

**UPGRADABLE WELD SOFTWARE**

Always be up to date with the i4! Software is easily upgradeable with the Pro Spot Flash Card.

Weld data logs are easily downloaded either by a Flash card, or USB drive.

**Advanced Weld Features**
Choose the Material Type, choose the thickness and the i4 delivers the correct amount of weld amperage, and squeeze pressure and time. Pressure is maintained during the weld nugget cooling cycle.

**OEM Repair Procedures**
The i4 features an on-board training program which is easily accessible by using the large monitor on the front panel where images and instructions are displayed. The i4 is equipped with an OEM programmable feature which is capable of providing the user with detailed instructions and weld specifications provided by the OEM’s as they become available.

**Languages / Help**
Questions? No problem. In any weld screen, just push the ‘HELP / INSTRUCTION’ button. The on-board instructions will guide you in the language of choice. By using Flash Card technology the software can be easily upgraded as new data becomes available. The expansion capability is enormous and practically endless.
Wheel House welding with the PS-52-5/8 Arm makes it possible to weld the most difficult applications.

For deeper needs use the Pro Spot extension arms (PS-305 and PS-503-W). They are self-aligning and quick to install.

Spot welding of quarter panel using C-Arm (PS-302).

**PS-500W & PS-600HP GUNS**

**PS-500W SPOT GUN FEATURES:**
- Double-Acting Cylinder
- High squeeze pressure: >600Lbs with all extension arm sizes
- Water-Cooled
- Self-aligning electrodes. No adjustment needed after arm changes
- Wide-spreading electrodes for hard to reach areas
- X-Gun adaptive
- Replaceable electrode caps

**PS-600HP SPOT GUN FEATURES:**
- Double-Acting Cylinder
- High squeeze pressure: >1000Lbs with all extension arm sizes
- Water-Cooled
- Self-aligning electrodes. No adjustment needed after arm changes
- Wide-spreading electrodes for hard to reach areas
- X-Gun adaptive
- Replaceable electrode caps
- High Pressure C-Arms included

**AVAILABLE ARMS**

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

- PS-302: C-Arm
- PS-52-5/8: Wheel House Arm
- PS-305: 508mm C-Arm
- PS-503-W: 600mm C-Arm (optional)
- PS-307: HP C-Arm (Included w/ PS-600HP)
- PS-308: HP 508mm C-Arm (Included w/ PS-600HP)

**The New C2X Arm (optional)**

**CX-i4: C-X Adapter**

Switch between C and X in seconds! No electrode alignment necessary!

The X-type Adapter is used on applications where the C-type can’t reach. 90% of all welds can be done with a C-type arm, but for some radiator support and truck bed pinch welds, the X-Adapter excels. This patented invention from Pro Spot now makes it possible to weld where you never could before!
**SINGLE-SIDED GUN FEATURES**

*i4* comes standard with 4-cable system. That means quicker change between 2-sided and 1-sided welding. The *i4* is pre-programmed with 60 Single-Sided programs.

- Single-Sided Welding
- Carbon Shrinking
- Stitch Welding
- Washer Welding
- Nail Welding
- Bolt and Nut Welding
- Moulding Clip Rivet Welding
- Contact Shrinking
- Spot Hammer Dent Pulling
- Pro Pull Dent Pulling

**i4 OPTIONS AND ACCESSORIES**

- **Weld Cover**
  80-0001 (optional)

- **Tip Dresser**
  PLT-51 (optional)

- **Weld Cap, F-Cap**
  PS-023 (optional)

- **Pro Pull**
  PRO-66 (optional)

- **C To X Adapter**
  CX-i4 (optional)

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**Built-in Synergic MIG Welder**

The *i4* features an easy upgrade to include a PR-205MV MIG Welder. This feature allows the convenience of spot and MIG welding in one unit!

PR-205MV works on 230v or 115v current.

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**i4 Technical Specifications**

- **Input Voltage:** 3 Phase
  - 208-240V 50/60 Hz.
  - 400-420-480 50/60 Hz.

- **Welding Amperage:** 12,500A Max (3-Phase)
  - Welding Cable Length: 8’ (2.5m) Standard

- **Electrode Pressure:**
  - Standard Gun
    - Part No: PS-500W (Blue Cylinder)
    - At 90 PSI (6.2 bar)-560 Lb (250 DaN)
    - At 116 PSI (8 bar)-720 Lb (320 DaN)
    - At 135 PSI (9.3 bar)-830 Lb (370 DaN)

- **High Pressure Gun:**
  - Part No: PS-600 (Black Cylinder)
  - At 90 PSI (6.2 bar)-1060 Lb (470 DaN)
  - At 116 PSI (8 bar)-1370 Lb (610 DaN)
  - At 135 PSI (9.3 bar)-1590 Lb (710 DaN)

- **Cooling System:** Air (2 Fans), Compressed Air (Weld Gun and Weld Cables), Water Cooling (Inverter, Transformer, Welding Gun)

- **Micro Processor:** i4 Upgradeable Software Platform

- **Protection:** IP21

- **Patents:** (3):
  - 5,239,155
  - 6,706,990
  - 6,539,770

- **Dimensions (Welder):** 28” (71.1cm) x 12.5” (31.8cm) x 50” (127cm)

- **Shipping Weight:** 373lb (169kg)