Boron Steel Welding
Weld Bonding
OEM, Training on-board
Pro Spot spot welding equipment is now approved by Toyota, Lexus, Chrysler, Mercedes-Benz, Smart, Maybach, GM, Nissan, Volvo, Mazda, Ford, Lincoln, Mercury, KIA, SAAB, Infiniti, ISUZU, Daewoo, Honda, Acura and others...

The industry is changing. More than 10 different types of steel in one vehicle is not unusual. Steels such as AHSS, HSS, T.R.I.P., BORON are extremely advanced with yield tensile strengths over 1,000 MPa (megapascals).

UPGRADABLE WELD SOFTWARE

The i4's Current Sensing welding electrodes will never be obsolete because the i4's software is easily upgradable with a removable Flash Card as new data and information become available.

The two-sided weld program features four main weld modes: Single Weld, Dual Weld, Pulse Mode and Wave Mode. Upslope and Downslope of the weld current are automatically applied. With the Dual Weld Mode, current / time can change within the weld. Example: For the first 10 milliseconds a lower weld current is applied, then after a programmable pause, a higher weld current is applied for 8 milliseconds. The first pulse pre-heats the area, softening the metal, so when the second - higher pulse is applied, it recognizes the change in resistance as it applies the current. At that precise moment, the applied squeeze pressure can easily fuse the metals into a weld nugget. This feature is often used by OEM welders when welding Boron Steel, which is extremely hard.

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.

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.

OEM Approved

Pro Spot spot welding equipment is now approved by Toyota, Lexus, Chrysler, Mercedes-Benz, Smart, Maybach, GM, Nissan, Volvo, Mazda, Ford, Lincoln, Mercury, KIA, SAAB, Infiniti, ISUZU, Daewoo, Honda, Acura and others...
PS-500W: Two-Sided Double-Acting Spot Gun

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

**Available Arms**

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

- 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)

**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 excels. This patented invention from Pro Spot now makes it possible to weld where you never could before!

**Wheel House welding with 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).**
**Single-Sided Gun Features**

- 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

**Pro Pull (optional)**

New innovative tool for fast and accurate dent pulling.

Pro Pull is the latest in dent pulling technology for the collision industry. This tool makes dent pulling into art! It's designed to be extremely flexible. The replaceable blocking plates and adjustable weld shaft, maximize the operator's options to maximize the pulling technique used when straightening the dent.

- Makes dent repair quick, easy and accurate
- Fast changing blocking plate system
- Adjustable weld shaft
- Available for any weld gun
- Paintless Dent Removal Available (optional)

**Built-in MIG Welder**

The i4 features an easy upgrade to include a PR-155 MIG welder. It can be installed later as an upgrade package. This feature allows the convenience of spot and MIG welding in one unit!

**Overhead Installation**

Pro Spot i4 comes in an overhead ceiling mounted version. The ceiling mounted version hangs from the ceiling at 20' bracket spacing.

- All the features of a portable i4 welder plus a MIG welder in one convenient ceiling mounted system!
- Nothing touches the floor... except your feet
- Always connected, ready to weld
- Stores out of the way when not in use
- No cables, air hoses or welders on the floor
- Moves very easily... just direct the welder to where you want to weld... its so easy!

**i4 Technical Talk ...**

- **input voltage:**
  - 3 phase
  - 208-240V 50/60 Hz.
  - 400-420-480 50/60 Hz.
- **Welding amperage:**
  - 12,500A max (3-phase)
  - 8' (2.5m) standard
- **Electrode Force:**
  - Standard Gun (Blue Cylinder)
  - At 60 PSI (4.1 bar)-350 Lb (156 DaN)
  - At 90 PSI (6.2 bar)-530 Lb (236 DaN)
  - At 116 PSI (8 bar)-880 Lb (391 DaN)
  - At 135 PSI (9.3 bar)-1320 Lb (587 DaN)
- **High Pressure Gun (Black Cylinder)**
  - At 60 PSI (4.1 bar)-585 Lb (260 DaN)
  - At 90 PSI (6.2 bar)-860 Lb (391 DaN)
  - At 116 PSI (8 bar)-1130 Lb (503 DaN)
  - At 135 PSI (9.3 bar)-1920 Lb (875 DaN)
- **Cooling system:**
  - Air (2 fans), Compressed air (weld gun and weld cables)
  - Water cooling (inverter, transformer, welding gun)
- **Micro processor:**
  - 4 Upgradeable Software Platform
- **Protection:**
  - IP21
- **Patents (3):**
  - No. 5,239,155, No. 6,706,990, No. 6,539,770
- **Dimensions (welder):**
  - 28”(71.1cm)x12.5”(31.8cm)x50”(127cm)
- **Shipping weight:**
  - 373lb (169kg)

Manufactured by:
Pro Spot International, Inc. U.S.A.

Toll Free: 1-877-PRO-SPOT
Phone: +1 760-407-1414
E-Mail: info@prospot.com
Fax: +1 760-407-1421
Web: www.prospot.com