

i4

PRO SPOT

WATER-COOLED INVERTER SPOT WELDING SYSTEM



Designed for new advanced steels:
AHSS, HSS, T.R.I.P, BORON



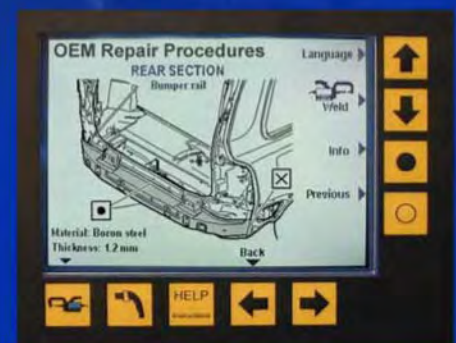
Intertek



Boron Steel Welding



Weld Bonding

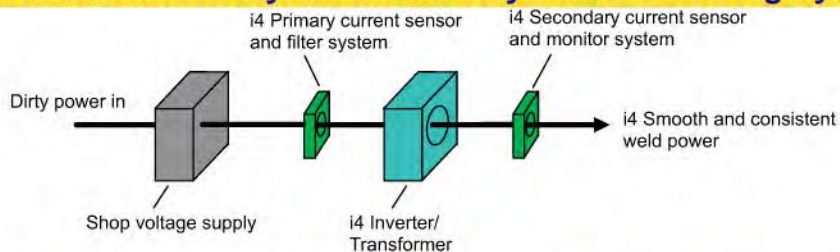


OEM, Training on-board



(cable holder not shown)

Advanced Primary and Secondary Current Sensing System



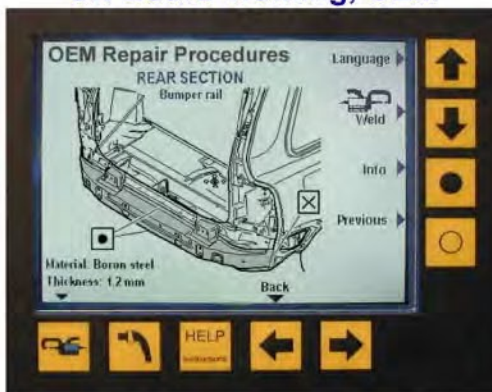
Cleans dirty power and always delivers smooth and clean weld current.

Advanced Weld Features



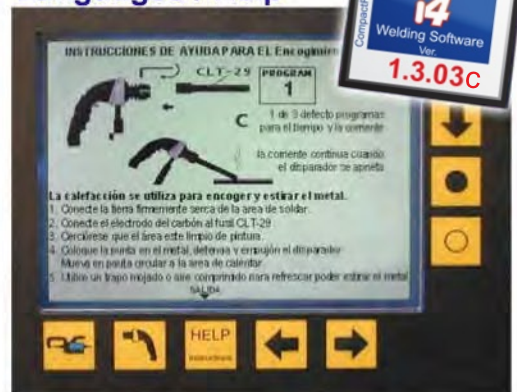
The two sided weld program features four main weld modes: Single Weld, Dual Weld, Pulse Mode and Wave Mode. Upslope and Downslope of the weld current are automatically applied. With the Dual Weld Mode, current / time can change within the weld. Example: for the first 10 milliseconds a lower weld current 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.

On-Board Training, OEM



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.

OEM APPROVED

Pro Spot spot welding equipment is now approved by Toyota, Lexus, DaimlerChrysler, GM, Nissan, Volvo, Mazda, Ford, Lincoln, Mercury, KIA, SAAB, Infiniti, ISUZU, Daewoo, 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).

UPGRADEABLE WELD SOFTWARE

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





PRO SPOT

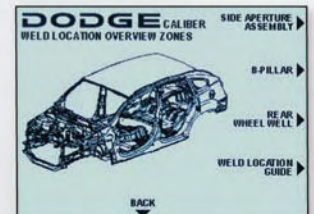
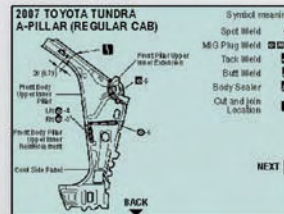
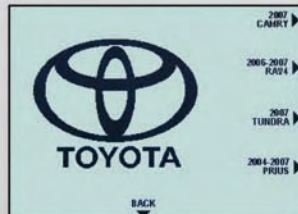
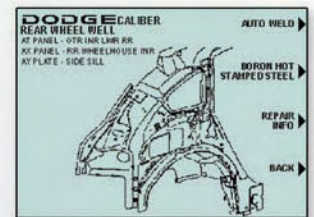
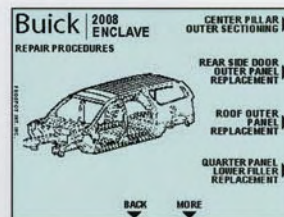
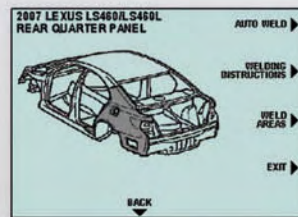
Inverter Spot Welding System

New Metals



Using more than 10 different types of steel in one vehicle is not unusual. Steels such as AHSS, HSS, T.R.I.P., and BORON are extremely advanced metals with yield tensile strengths of over 1,000 MPa (Megapascals).

Over 3000 OEM Repair Data Screens



Software Upgrade

The i4's software is easily upgraded with a removable Flash Card as new data and information become available. Valuable OEM repair info comes standard with the i4 software. The latest i4 software features over 2,800 GM OEM repair screens in addition to Dodge, Toyota, Lexus, & Volvo.

Recent OEM Approvals





PRO SPOT

Inverter Spot Welding System



i4 Login Feature

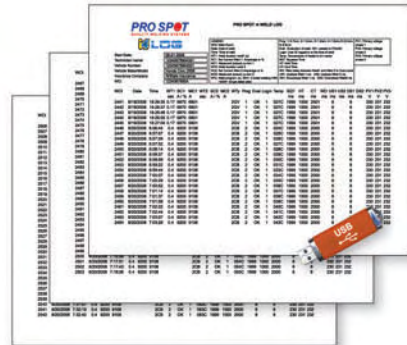
Allows Multiple User Accounts



With the i4 login feature, work flow is closely documented to allow accountability & data tracking. Each user is prompted to enter their unique login I.D. before using the welder. Multiple accounts can be registered and a management system allows both the addition and removal of user accounts.

i4 Data Log Feature

Record, Download (USB) & Print All Weld Data



The i4 data log feature is an easy way to manage weld history, quality of welds, and power applied to each weld. Detailed information is stored in a log file that is easily accessed using a template stored on a removable USB flash drive. All log information can be printed and stored for documentation and analytical purposes.

The Company



Pro Spot International, Inc., based in Oceanside, California, manufactures resistance spot welding equipment specializing in applications for the collision repair industry. The company was founded in 1986. The company owns and manages an onsite machine shop, research & development department, a sheet metal and machining fabrication facility and the production lines for the various welders. Pro Spot International exports its products worldwide, export sales are managed through the headquarter office.

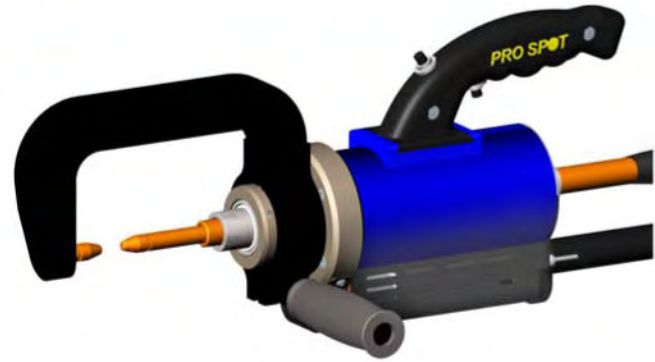
For more info please visit <http://www.prospot.com/>

PS-500W: Two-Sided Double-Acting Spot Gun

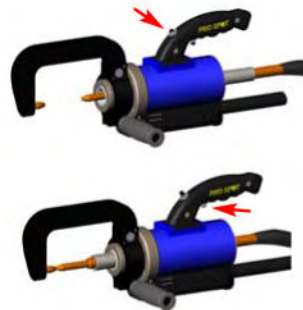


PS-500W Spot Gun Features:

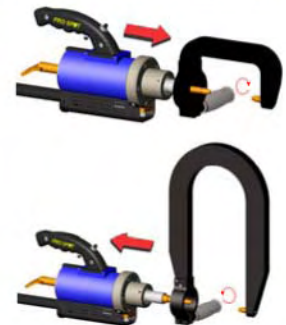
- ✓ Double-Acting Cylinder
- ✓ High squeeze pressure: >600Lbs.
Same pressure with all extension arm sizes.
- ✓ Water-Cooled
- ✓ Self aligning electrodes. No adjustment needed after changing arms.
- ✓ Wide-spreading electrodes for hard to reach areas.
- ✓ X-Gun adaptive
- ✓ Replaceable electrode caps



Double-Acting Spot Gun



Exchangeable Extension Arms



AVAILABLE ARMS

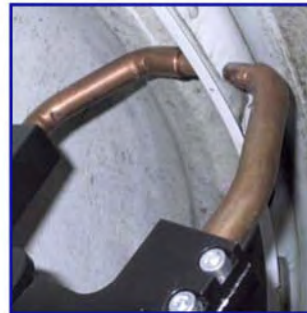
The Pro Spot i4 comes with a variety of extension arms to accommodate any welding job situation.

NOTE: Extension arms marked "optional" are available from your local distributor or online at www.prospot.com



X-Adapter (optional)

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



Patented

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!



Wheel House welding with PS-52-5/8 Arm makes it possible to weld the most difficult applications.



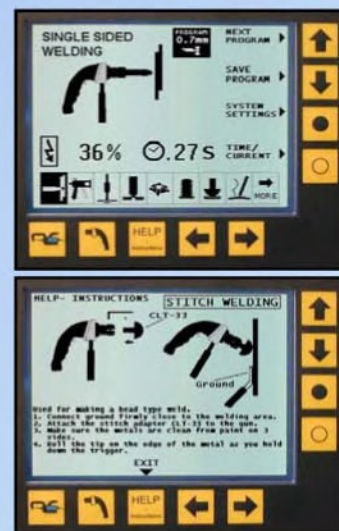
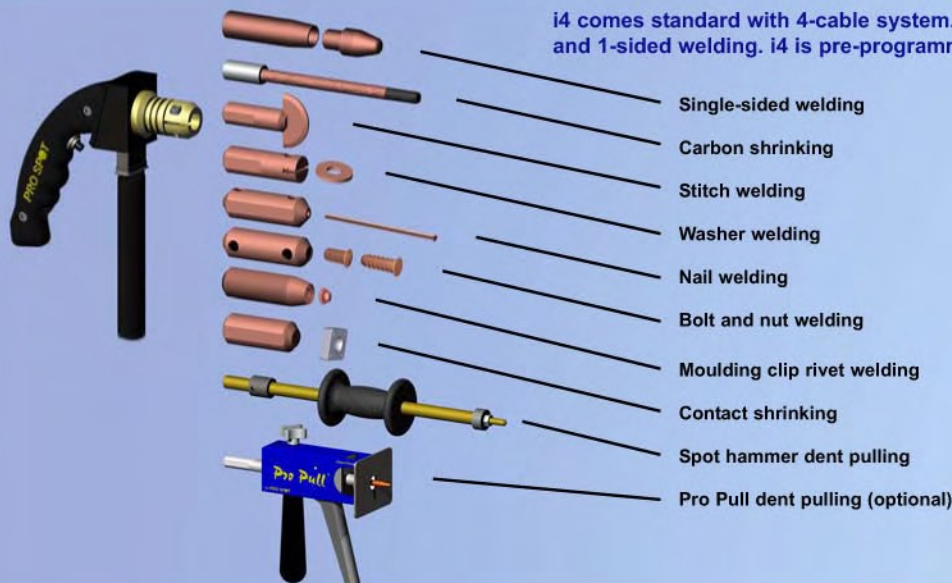
For deeper needs use the Pro Spot extension arms (PS-305 and PS-503-W). They are self-aligning and quick to install.



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

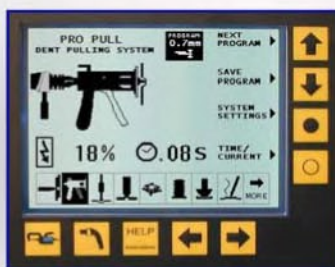
SINGLE-SIDED GUN FEATURES

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



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. Thanks to the replaceable blocking plates and the adjustable weld shaft, the operator has a lot of options available in how 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
- ✓ Painless Dent Removal Available (optional)



Built-in MIG Welder

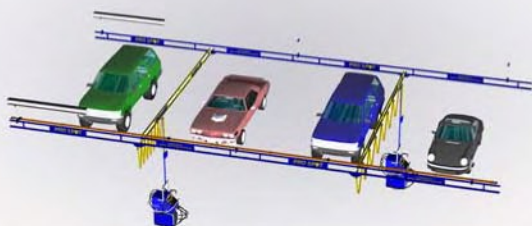
The i4 features an easy upgrade to include a PR-155 MIG welder. It can be installed later as an upgrade package. This feature allows the convenience of spot and MIG welding in one unit!



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)

Welding cable length:

8' (2.5m) standard

Electrode Pressure:

At 7 bars (90 PSI)-280 DaN (616 Lb)
At 9.5 bars (135 PSI)-420 DaN (924 Lb)

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):

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.

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