

PRO SPOT

PR-10
Resistance Spot Welding System

www.prospot.com

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RESISTANCE
WELD CONTROL SYSTEM





Time Is Money... and Pro Spot Can Help You Make More Of It

The revolutionary Pro Spot PR-10 resistance spot welding system can add increased profitability and flexibility to any collision repair shop.

Designed To Make Every Weld Stronger, Quicker... and Easier.

The PR-10 duplicates factory type welds. Now, you can produce strong, structurally sound, squeeze-type resistance welds in only 0.3 seconds of weld time. Because of this quicker weld time, no excessive temperatures accumulate—and corrosion protectants such as E-coat, primer, sealer and galvanized sheets remain intact between the panels. In addition, welded panels now stay cooler with less chance of warping. No grinding is necessary on the welds afterward because the PR-10 reproduces the factory appearance instantly, making your job easier.



Our transformer is built right into the liquid cooled welding head. We've developed an extremely powerful weld current by removing energy-draining welding cables. This, in turn increases the duty cycle and decreases power loss. A continuous welding cycle is now available without any risk of overheating.



PR-10 Portable Resistance Spot Welder

Spot Welder Features:

- ✓ Two sided spot welding
- ✓ 6mm weld diameter at structural strength
- ✓ 10,000A at the electrodes:
 - welds through primer and sealers between panels
- ✓ Liquid cooled:
 - loop system through transformer and welding head
- ✓ 50% duty cycle
- ✓ No after-weld grinding
- ✓ Weight balanced system:
 - adjusts welding height from ground level to 8'(2.5m)
- ✓ Patented extension arm system:
 - for welding hard to reach areas
- ✓ Adjustable electrode pressure
- ✓ Wide array of accessories and electrodes
- ✓ Built-in MIG welder version available:
 - PR-10 DUO

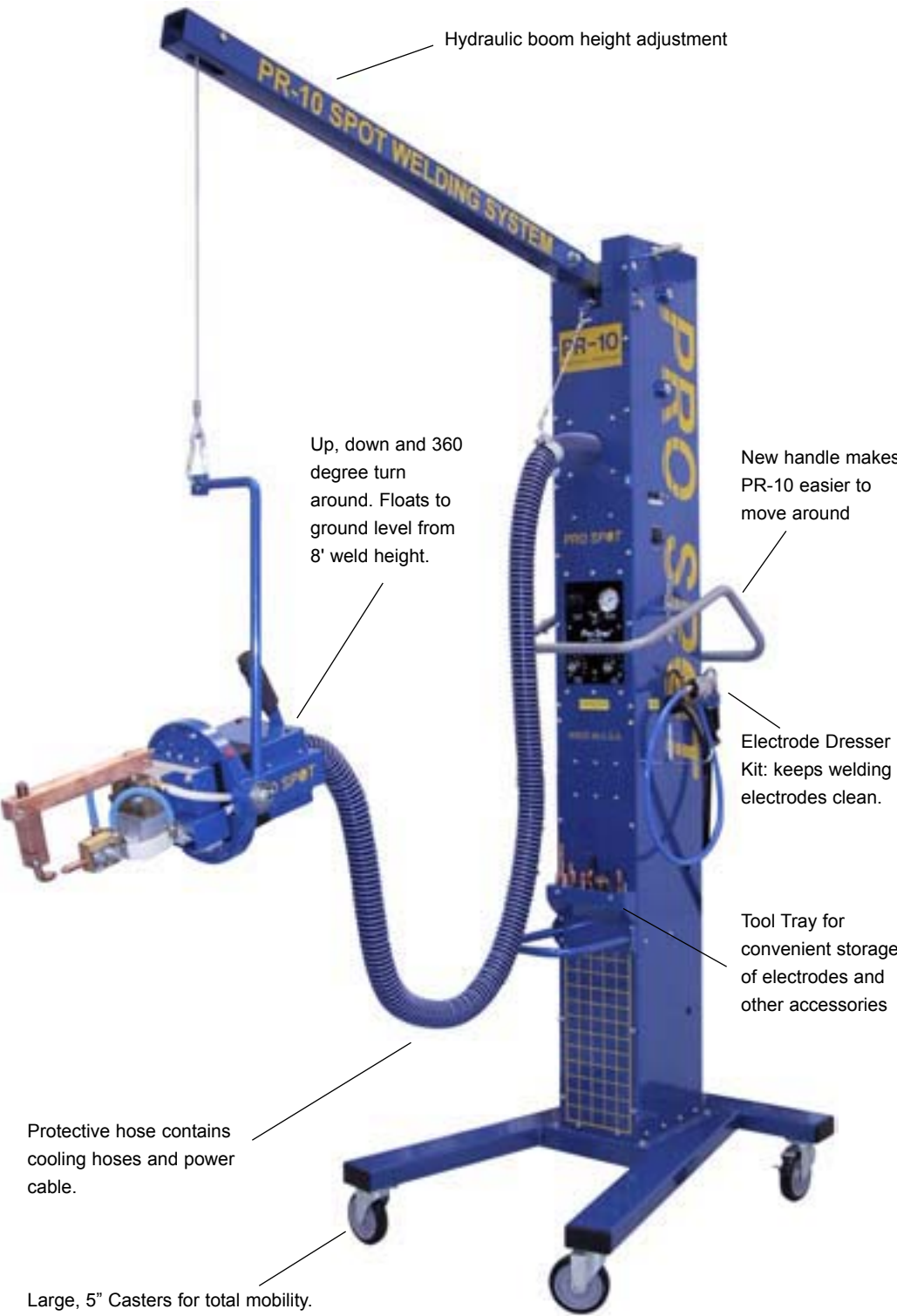
MIG Welder Features (DUO only):

- ✓ 220V, 1-phase ready to use
- ✓ Binzel connector: quick-connect all-in-one adapter
- ✓ Ideal for collision repair

OEM APPROVED

Pro Spot International's dedication to achieving perfection in Resistance Spot Welding is being recognized and approved by more OEM's.

Pro Spot spot welding equipment is now approved by BMW, Toyota, Lexus, DaimlerChrysler, Nissan, Volvo, Volkswagen, Renault, KIA, Audi, SAAB, Infiniti, ISUZU and Daewoo, Hyundai, and others.



Hydraulic boom height adjustment

Up, down and 360 degree turn around. Floats to ground level from 8' weld height.

New handle makes PR-10 easier to move around

Electrode Dresser Kit: keeps welding electrodes clean.

Tool Tray for convenient storage of electrodes and other accessories

Protective hose contains cooling hoses and power cable.

Large, 5" Casters for total mobility.

Technical Talk ...

PR-10 Multi-task welder:

Input voltage:	1 phase 208-240V 50/60 Hz. 400-420V 50/60 Hz.
Open circuit voltage:	4.5V
Output capacity:	45 KvA
Welding amperage at the tips:	10,000 A
Cooling system:	Liquid cooled
Duty cycle:	Continuous (50%)
Electrode pressure:	406 lb / 110 PSI / 183 DaN 220 DaN (max)
Fuse protection:	220V - 50A 400V - 32A

PR-155 MIG welder (DUO only):

Input voltage:	220V AC 50/60Hz.
Amperage range:	28-155A
Open circuit voltage:	15.4V
Protection:	IP21
Duty cycle:	AC:20% - 120A (20min) DC:45% - 164A (10min)
Wire range:	0.023-0.030
Dimensions (WxHxL):	10x14x17.5" (255x360x445mm)
Weight:	63.8Lb (29kg)



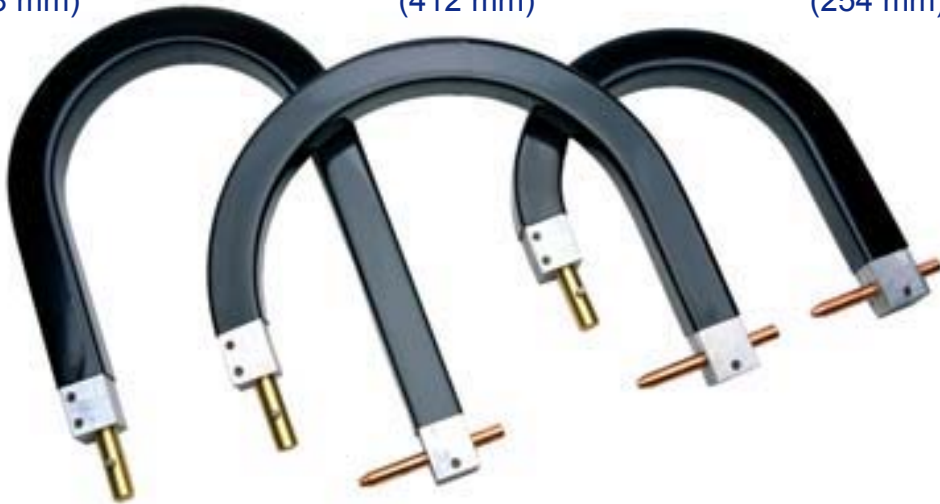
Interchangeable Arms That Will Fit Every Need

All PR-10's come complete with our patented Pro Spot PLU Extension Arm System. The system consists of rotating "U" arms in 10", 16¼" and 20". Just attach the arm length and tip required for the job, rotate the arm to reach the weld area, and simply twist the arm into its "memory lock" position and begin welding. It's just as quick and easy as that.

20" Arm
(508 mm)

16¼" Arm
(412 mm)

10" Arm
(254 mm)



Automatic Weld Control

By pressing the trigger button, the PR-10 electronically provides precise control of the squeeze time, current sensing pre-heat, weld duration, hold time, cool down and duty cycle. Within seconds, this cycle is completed and another weld can be made.

There is no possibility of an operator rushing a weld due to pre-timed programming. The operator must wait until the green light has turned on before proceeding with the next weld. This PR-10 exclusive feature guarantees consistent, properly timed welds whether it is the first weld or the 150th weld.

With the PR-10 there is no shielding gas or wire to replace. Now, clear safety glasses may be worn to actually see the work as it progresses.



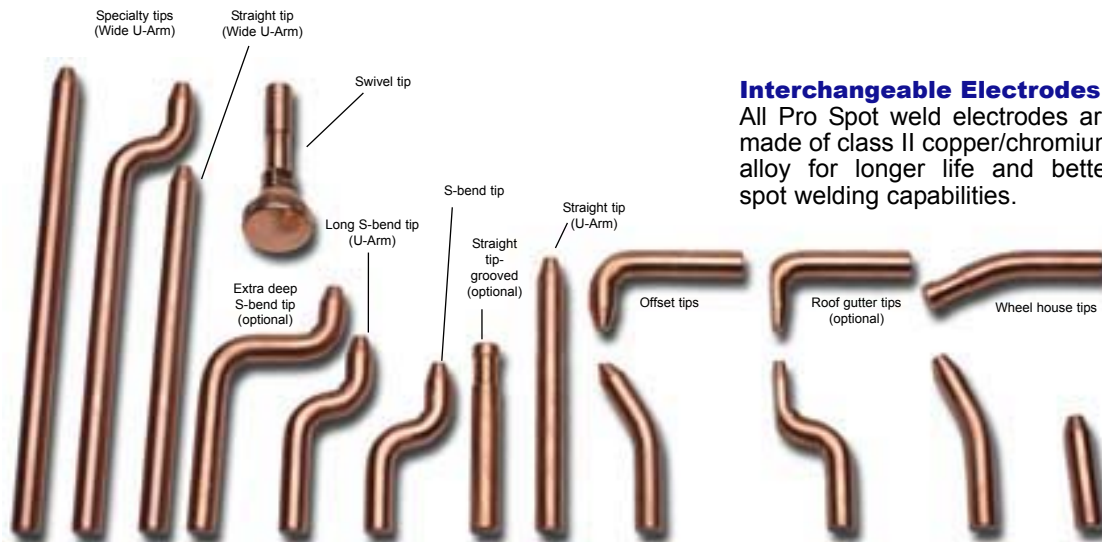
To overcome hard-to-reach areas like this...



Simply swing the head to make the opening between the tips wider, and lower it down.



As you swing the head back it will automatically stop at its memory lock position to assure that the tips are perfectly aligned before welding.



Interchangeable Electrodes

All Pro Spot weld electrodes are made of class II copper/chromium alloy for longer life and better spot welding capabilities.

PR-10 Overhead Resistance Spot Welder

The Total Weld Station..
All of your welding needs
.....ceiling mounted

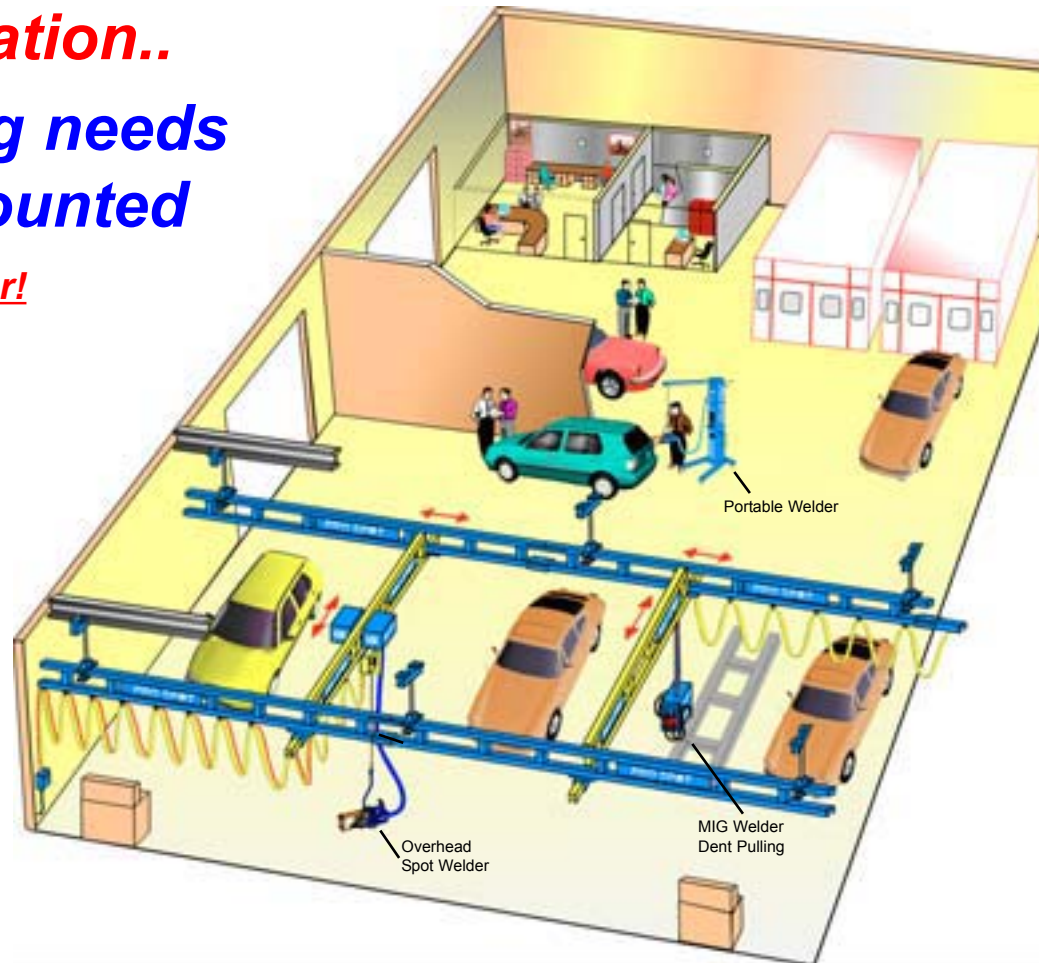
Nothing touches the floor!



All components such as the liquid cooling system, electrical and electronic systems are stored in the overhead cabinets.



Pro Spot Overhead MIG Welding/Dent Pulling Station is available on a separate bridge. This allows you to have access to all welding needs: Spot, MIG, dent pulling, nut & bolt welding, shrinking and other single-sided welding functions on the same over head system.



- ✓ **WEIGHT-BALANCED WELDING HEAD**
- ✓ **WELD HEIGHT: FLOOR LEVEL TO 8.5' (2.5M)**
- ✓ **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 WELDING HEAD TO WHERE YOU WANT TO WELD..IT'S SO EASY!**
- ✓ **23'(7M) WIDTH STANDARD, CAN BE UP TO 40' WIDE**

Pro Spot PR-10 Overhead Spot Welding Systems are available in ceiling mounted or freestanding versions. Both systems come with the same welding head and features as the portable PR-10. The ceiling-mounted version hangs from the ceiling at 20' bracket spacing. The free standing version uses vertical posts and cross beams at 20' spacing.



(actual shops equipped with PR-10 Overhead Spot Welding System)

CONSISTENT WELD QUALITY

PR-10 DUO....

The PR-10 is designed to make structural strength 6 mm weld nuggets. It can produce higher quality welds than any other welder in its class. Thanks to the trans-gun design with liquid cooling, the PR-10 produces over 10,000 A of weld power at the welding tips.

That's right..The PR-10 is now available with a built-in MIG welding system. This high quality 220 VAC MIG welder takes care of all your MIG welding needs in the collision repair shop. It welds steel and aluminum up to 1/4" (6mm) thickness.



(actual digital readout)

Factory strength and appearance!
One 6mm Pro Spot weld holds over 2200Lb (1000kg.)



"Proven Weld Strength..."

In this sheer strength test, the **ONE** PR-10 weld holds more than 2200 lb. (1000kg). This test was done on two, 16ga. galvanized steel strips (1.57mm thickness) . Note how the metal tears around the weld nugget. The PR-10 welds measure up to the factory requirements weld after weld. We are proud of our welds and we will prove it to you.

The ultimate weld station..By having access to high quality spot welding and MIG in the same unit, you'll increase efficiency and profits. No more switching from spot welder to MIG...It's all there....in one unit!

The one stop welding system.. Whether you need spot welding or MIG (steel and aluminum), its all available within seconds with the PR-10 DUO!

Spot & MIG in one

The PR-10 Duo with built in MIG welding system. The box on the outside of the tower contains the wire feeder and the spool of welding wire. The MIG unit is conveniently stored inside the tower without changing the outside measurements of its original design. The MIG controls are conveniently located on the front below the spot welding control panel.



Easy...

Welding with the PR-10 is easy. No heavy lifting is required since the welding head is weight balanced. Above, the vehicle is mounted on the straightening bench while roof gutter welding is performed.



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