

i4s

PRO SPOT

QUALITY WELDING SYSTEMS

OEM
Certified



True Auto Weld
Weld Faster,
Weld Smarter



WiFi
Connected & Always
Up To Date



On-Board Training
On Demand
Train In Minutes

THE ONLY WELDER THAT'S READY FOR THE FUTURE, TODAY!

Built-In WiFi

Staying connected is now easier than ever with the i4s' Built-In WiFi. The Built in WiFi allows users to connect to directly with Pro Spot and check for updates and new training materials. That means more time can be spent on repairs yielding a faster cycle time by eliminating the need for technicians to wait around for correct OEM procedures or training.

Instant Training

Techs can be Ready to Weld in an hour or less. The i4s trains you on how to use the machine with its built-in User Guides and Instructional Videos. Quickly train techs and get them welding fast.

System Updates Via WiFi

Keeping your welder updated is now more convenient than ever. Any software or training updates can be instantly downloaded and accessed via the i4s' WiFi Connectivity.

Export Logs Via WiFi

Completed Weld Logs can now be sent directly from the welder to any email inbox. This feature makes record keeping easier than ever.



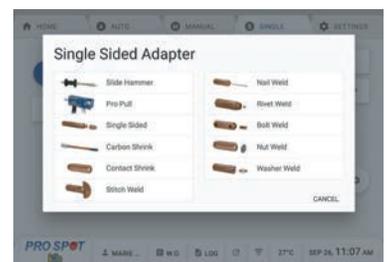
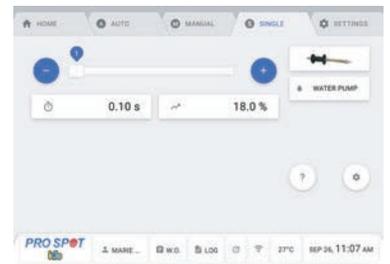
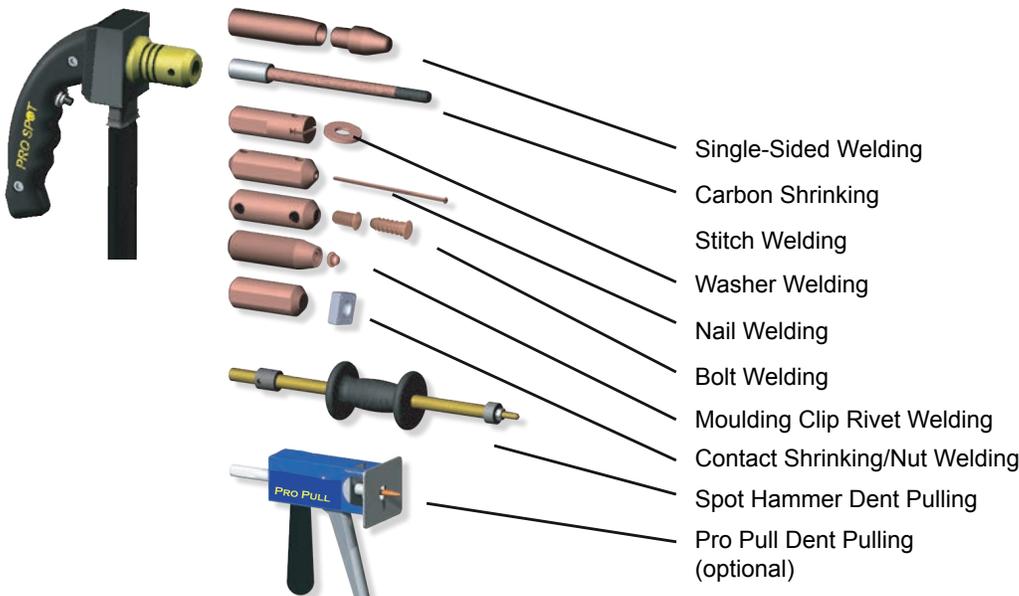
Built-in Headphone Jacks



Built-in Speakers

Single-Sided Welding

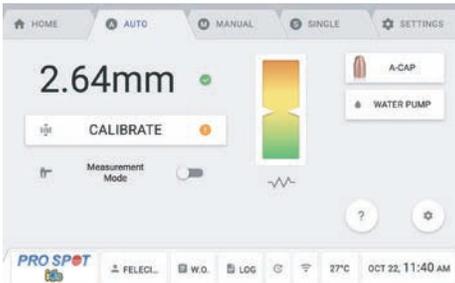
The i4s is pre-programmed with over 60 Single-Sided programs.



Why We Made It?

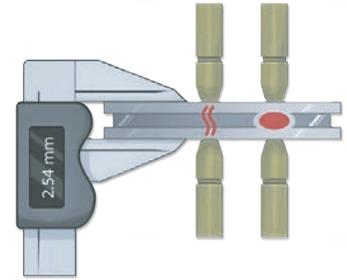
The i4s was designed to directly address the biggest challenges with welding modern high-strength steels. Because these metals are rigid and sensitive to heat, it is important to deliver the right amount of power at the right time to avoid weak welds. Too much heat applied too quickly results in brittle metal, reducing the strength of the weld. The i4s solves this issue by constantly monitoring thermal power even during preheat, reducing current if the measured power rises above a limit that is safe for the metal- create the strongest weld possible.

Adaptive Auto-Welding



Taking Auto Welding to the next level, Pro Spot's Adaptive Auto Welding constantly monitors and adjusts accordingly providing the perfect weld.

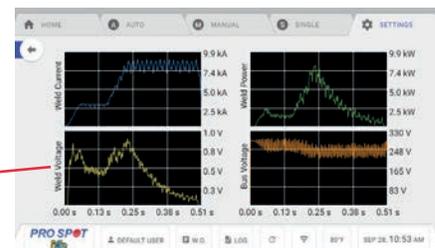
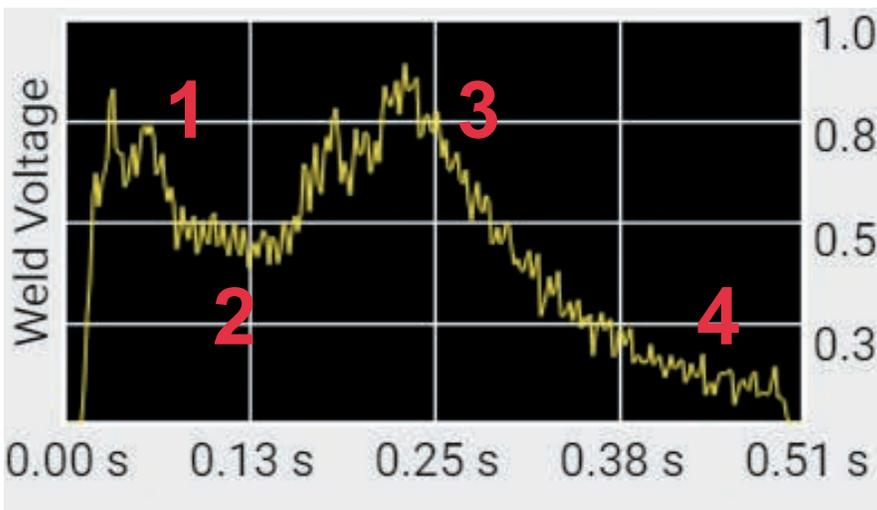
This precise control ensures consistent weld results, even in the presence of adhesives, paint or contaminants.



HOW IT WORKS:

In order to create the strongest weld possible, the i4s uses a unique system to regulate the true energy delivered to the weld, ensuring smooth and consistent nugget growth. Using a combination of thickness and resistance measurements, the welder calculates the total amount of heat energy needed to create a solid joint. The unit's central processor then adjusts current several thousand times per second to ensure that weld power remains stable even in the presence of adhesives, paint, or contaminants on the metal.

This precise control is especially important at the start of the weld since UHSS metals often have very high electrical resistance between the weld surfaces. Trying to force currents through the metals can lead to almost instantaneous blowout. The i4s solves this issue by constantly monitoring thermal power even during preheat, reducing current if the measured power rises above a limit that is safe for the metal. Once the weld joint is clean and good contact is detected, current is allowed to rise and the weld continues until the energy target is reached. By accounting for all energy added during all stages of the weld, the i4s can accurately gauge when the weld is complete and cut off current before over-heating of the metal can occur.



i4s Weld Logs

1. High starting resistance causes voltage spike. Current limited to prevent expulsion.
2. Weld surfaces are clean. Output power begins to rise.
3. Power slopes downward as weld nugget forms and resistance begins to drop.
4. Energy target met. Weld terminates.

Always Follow Manufacturer Repair Procedures.

i4s - The Welder's Welder

Pro Spot's i4s is the latest addition to our spot welding line. The i4s continues the tradition of building on our past successes and experiences, using the latest technologies to create the Smartest 'Auto' Spot Welder available today.

The i4s provides unlimited access to connected training resources and supports Adaptive Auto Welding. The advanced welding control system senses, reacts and adjusts welding energy based on material composition, thickness and resistance properties.

The automatic extended force range provides the correct electrode tip force pressure required for the UHSS materials of today and tomorrow.



On-Gun Display Screen



Finger Tip Controls



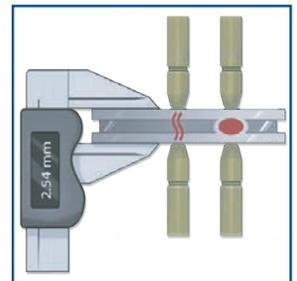
Audio & Video Playback



WiFi Connectivity



Export Logs For Immediate Feedback



Adaptive Auto Weld

i4s Features

WiFi - WiFi connectivity ensures that your technicians have up-to-date content and training materials.

Export Logs Via Email - Quickly export logs for shop records, insurance requests and immediate feedback.

Touch Screen - Touch screen display for ease of navigation, including pinch and zoom capability.

On-Gun Display Screen - Utilize the screen to receive immediate feedback and maintain full control of the weld process.

Built-In Audio & Video Playback - With built-in speakers, headphone jacks and a high resolution display, training delivery has never been easier.

Full 360 Degree Arm Rotation - Weld in any location with the water cooled arms and ability to rotate 360 degrees.

High Pressure Gun Standard - Squeeze Force Pressure is capable of delivering 1,240 lbs (565 daN) of squeeze force, and meets or exceeds all OEM requirements.

Single-Sided Welding - 10 different Single-Sided welding applications give the user the power and versatility to complete any job that rolls into the shop.

The New i4s Gun

Complete Control At Your Finger Tips

The all new i4s gun has been completely redesigned to make welding easier and faster.



On-Gun Display Screen

The on-gun display screen allows immediate feedback on every weld and set-up.



Finger Tip Controls

Quickly make adjustments and change settings with finger tip controls - no need to go back and forth to the vehicle.



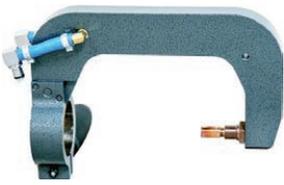
360° Arm Rotation

Arms can rotate 360° degrees while maintaining water-cooling.

i4s Extension Arms

PSW-080

C-Arm Assembly,
80mm Extension



PSW-WH-090

Wheelhouse Arm,
90mm Depth



PSW-520

Deep Reach Arm,
520mm Depth



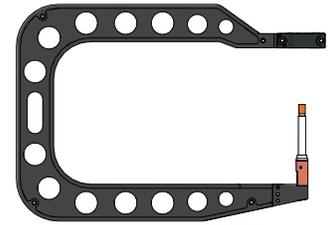
PSW-406

Deep Reach Arm,
406mm Depth
(Optional)



PSW-600

Deep Reach Arm,
600mm Depth
(Optional)

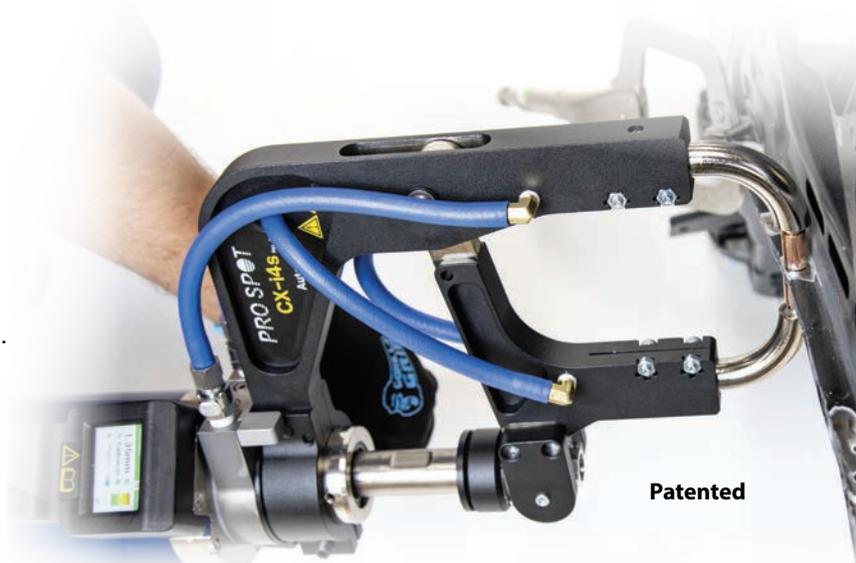


The New C2X Arm

Pro Spot, the original inventor of the C-X style arm, has revamped it with new features for today's body shop. The all new C2X Arm is the industry's first to offer Full Force welds in Auto Mode, as well as it's Quick-Connect feature.



(Optional)



Patented

Full Force + Auto Mode - Built strong, the new C2X offers full force welds in Auto Weld Mode, no more switching to manual.

Quick-Connect Feature - The Quick Connect lets users change arms in 15 seconds without having to change out any electrodes.

i4s Smart Spot Welder



Accessories and Optional Equipment

PSW-080
C-Arm Assembly,
80mm Extension



PSW-WH-090
Wheelhouse Arm,
90mm Depth



PSW-520
Deep Reach Arm,
520mm Depth



CX-i4s
All new C2X Arm offers full force
welds in Auto Mode.
(Optional)



PS-025
Weld Cap, A-Cap



Weld Cover
80-0001



PLT-46/A
Tip Dresser
(Optional)



PSW-406
Deep Reach Arm,
406mm Depth
(Optional)



PSW-600
Deep Reach Arm, 600mm Depth
(Optional)



PS-023
Weld Cap, F-Cap



SA-0612
Tool Balancer



i4s Technical Specifications



Input Voltage:	3 Phase 208 - 240V 50/60HZ 400 - 480V 50/60HZ
Welding Amperage:	12,500 Amps (DC)
Cable Length:	Power Cable 30' (10m) Weld Cable 8.75' (2.67m)
Electrode Force:	1,240 lbs. (565 daN)
Liquid Cooling System:	Radiator/Pump Active Loop Cooled To Electrode Tips
Microprocessor:	Wirelessly Upgradeable Software Platform
Protection:	IP 21
System Weight:	385 lbs.

Manufactured by:
Pro Spot International, Inc.



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