



AUTOMATION SOLUTIONS

Pro Spot International, the leader in spot welding and collision repair technology, has married the power of cobot automation with advanced manufacturing capabilities. Introducing... Pro Spot Automation.



i5s SMART SPOT WELDING COBOT

Patented Next Generation Auto Welding Technology

The World's Premier handheld Spot Welder has been seamlessly integrated into a safe, easy-to-use COBOT Automated Welding Workcell.

The most advanced welding technology.

- Auto Weld, sense material thickness, resistance to adjust the weld profile automatically.
- Built in library for materials, weld caps, thickness stackups for Semi-Auto mode.
- Intuitive Touch Screen interface, with on-board training and user manuals, both in Video and PDF form.
- Repeatable, reliable welds, with complete data capture of welding and machine data.
- Connected: WiFi enabled keeps weld control software up-to-date. Ability to export data logs to email via WiFi for the ultimate in traceability and process control.

Automation: Increase Repeatability, Safety, and Save Labor Time and Expense.

- Easy to teach welding positions
- Unlimited number of recipe/job creation. Create, Edit, Save, and Load welding jobs with repeatable, traceable positions. Does the job right every time.



- Synchronized log of welding position with weld schedule and datalog.
- COBOT safe to work around humans without costly and awkward machine guarding.

BENEFITS:

- Keeps manufacturing process in CONTROL: Reliable, Consistent and Traceable results
- Increase in Production while saving labor and technician time
- Future Proof investment with wireless factory updates
- Improves worker safety and reduces liability risks.



PRODUCT FEATURES

The World's most sophisticated and easy to use spot welder. Auto Weld Mode enables instant "out of the box" welding capability and manual modes allow advanced weld recipe configurations.



Approved URCAP interface for quick, easy system programming.

Dual full-color touchscreens for menu controls, COBOT programming and on-board training libraries.

Mobile platform to move anywhere in shop. Locking wheels to secure to work area.

Compatible with Universal Robots:

UR10e
UR16e
UR20



Six (6) arms available to reach most any workpiece.

Lightweight transgun payload with on-board control screen and quick release arm connectors.

Wi-Fi Connectivity to keep weld control up-to-date, export data logs and provide the ultimate traceability.

Unit Dimensions (without the cobot):
Height: 113 cm | 44.5"
Width: 105.5 cm | 41.5"
Depth: 106.6 cm | 42"
Weight: 215 kg | 474 lbs



ARMS AND ACCESSORIES



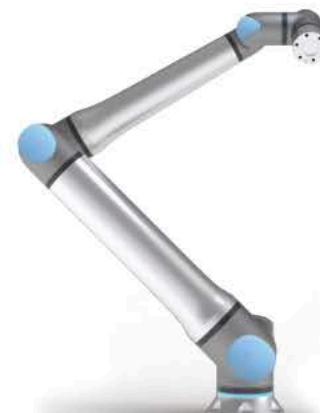
UR10e

Reach 1300 mm / 51.2 in



UR16e

Reach 900 mm / 35.4 in



UR20

Reach 1750 mm / 68.9 in



PLT-45/A

Tip Dresser



PSW-WH-090

Wheelhouse Arm,
90 mm Depth



PSW-080

C-Arm Assembly,
80 mm Extension



CX-i5s Arm

Offers Full Force
Welds in Auto Mode



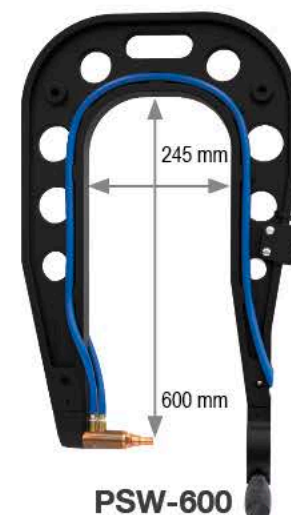
PSW-520

Deep Reach Arm,
520 mm Depth



PSW-406

Deep Reach Arm,
406 mm Depth



PSW-600

Deep Reach Arm,
600 mm Depth

Technical Specifications

Input Voltage 220V Cobot:	208 - 240V 50/60HZ 3 Phase
Input Voltage 480V Cobot:	400 - 480V 50/60HZ 3 Phase
Welding Amperage:	14,500 Amps (DC)
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



PS-027

Weld Cap
Female B-Cap



PS-029

Weld Cap
F-Cap



PS-030

Weld Cap
Female A-Cap



PS-033

Weld Cap
Female, .375" Cap



PS-040

Weld Cap
Honda Cap



PS-031

Weld Cap
Male A-Cap



PS-034

Weld Cap
Male F-Cap



AUTOMATED DUSTLESS SANDING SYSTEM

Effective and Safe Automated Sanding Solution

The new DE-PRO sanding system is an All-in-One Sanding Station that provides a detachable, easy to move dust extractor designed to perform in the most demanding environments while providing the cleanest and safest dust extraction solution.

The sanding system is safe to use on steel or aluminum materials. This mobile, 2-in-1 sanding system with a dual-action orbital sander, provides the ability to sand the toughest locations for prolonged periods of time.

FEATURES:

- Aluminum Safe
- Dust-Free: patented Dust Extraction System
- ATEX certification with many OEM certifications
- Low Air Consumption: 5-7 CFM [2-3,5 litres/s]
- Mobile - Wheel to your workpiece, Flexible Automation
- EASY training, sanding area setup, force control

APPLICATIONS:

- Automotive
- Aerospace
- Marine
- Woodworking and Furniture Finishing
- Military



PRO SPOT

QUALITY WELDING SYSTEMS

PRO SPOT INTERNATIONAL, INC. U.S.A.
5932 SEA OTTER PLACE
CARLSBAD, CA 92010

PROSPOTAUTOMATION.COM
AUTOMATION@PROSPOT.COM
+1 760-407-1414

