

BLACKHAWK®



*CompuSpot®
900 Fusion*

Model No. 28CPS905 (440-480V)

28CPS904 (380-415V)

28CPS903 (208-230V)

BLACKHAWK

Turning Innovation Into Productivity

Advanced Inverter Spot Welder

The ideal answer for how to weld today's high strength dual phase and boron steels with up to 630 daN (1,420lbf) of tip pressure, and 14,000 amps of welding current

Automatic recognition of sheet thickness and material type (HSS, UHSS, Boron, etc.)

Automatic setting of weld power, weld time and tip pressure

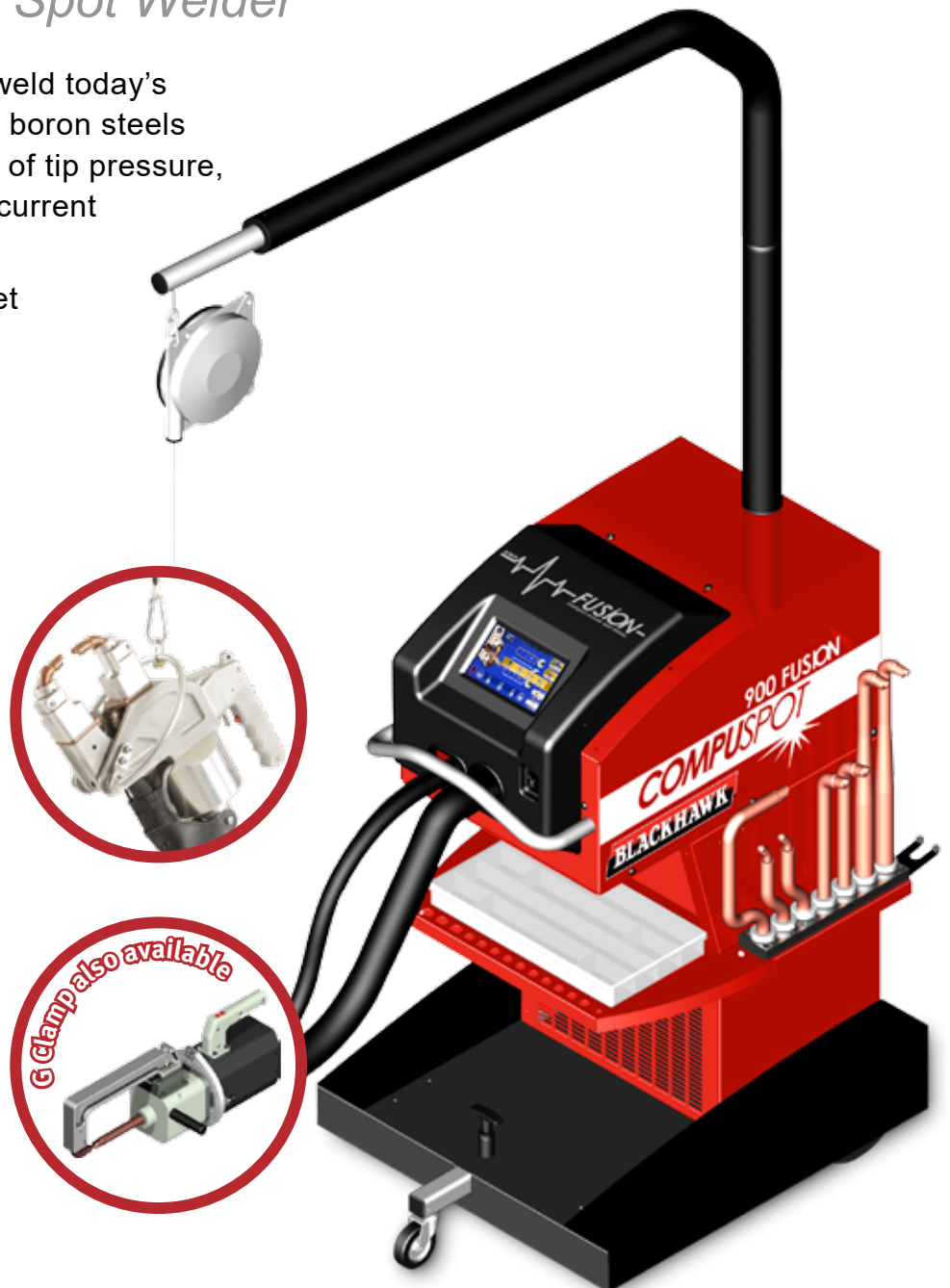
USB port for data transfer and program updates

Weld history storage

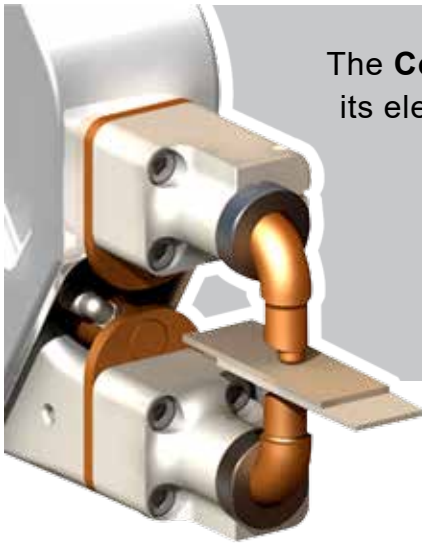
Liquid cooling all the way to the electrode tips

7" touch screen control panel with high resolution color

Fully compliant with European directive 2004/40/CE



Automatic Detection of Metal Type and Thickness



The **CompuSpot® 900 Fusion** measures the thickness of the metal and its electrical resistance to determine its properties and surface coating.

Based upon the measurements, the **CompuSpot 900 Fusion** will automatically adjust the settings or suggest a factory specified weld program. With this new equipment the operator no longer needs to worry about setting the correct welding parameters.

STEP 1: Example of the display metal type and thickness detection of two metal sheets:

METAL SHEET #1

METAL TYPE | THICKNESS
H.S.S. | 1.0 mm

METAL SHEET #2

METAL TYPE | THICKNESS
A.H.S.S. | 2.5 mm

STEP 2: Example of the display of automatic setting of the welding parameters:



CURRENT: 9,000 AMP



FORCE: 400 daN



TIME: 300 ms


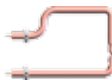







Control Panel Display

- Preprogrammed tool selections
- Memory slots
- 7" high resolution LCD display



Accessories and Specifications

Accessories

-  • 120mm Straight Arm Set: 04PS8012
 -  • 330mm 1/2 Offset Arm Set: 04PS8033
 -  • 330mm 1/2 Offset Arm: 04PS8032
 -  • 330mm Dog Noze Arm Set: 04PS8034
 -  • 470mm Straight Arm Set: 04PS8047
 -  • 230mm Crocodile Type Arm Set: 04PS8021
 -  • Fender Electrodes Set: 04PS8022
 -  • **Optional** 470mm Full Offset Arm Set: 04.PS.80.41
 -  • Complete Single Side Welding and Dent Pulling Package Included
- G Clamp Accessories*
- 120mm Straight Arm Set: 04PS9012
 - Fender Electrode Set: 04PS9010
- Optional Accessories*
- 300mm U Arm: 04PS9030
 - 400mm U Arm: 04PS9040
 - 500mm U Arm: 04PS9050
 - 600mm U Arm: 04PS9060

Equipment Specifications

- Power requirements 208-230V 80A / 380-415V 32A 3Ph 50/60Hz
- Secondary short-circuit max current (RMS) 14,000A
- Welding frequency 2000Hz
- Welding cable length 8' (2.5m)
- Cooling system (cable, arms and cap) Liquid
- Nominal operating temperature 86°F (30°C)
- Tip pressure @ 123psi (8,5bar) 1,420lbf (630 daN) (120mm arms set)
- Clamp weight (without arms) 15lbs (7kg)
- Weight 430lbs (195kg)

Snap-on Equipment • Blackhawk / 309 Exchange Avenue / Conway, Arkansas 72032 U.S.A.
Fax: 501-450-2085 / Toll Free: 1-877-482-4866 / www.blackhawkr.com