

900 FUSION COMPUSPOT

AMH®

THE NEXT GENERATION OF INVERTER SPOT WELDERS

Intelligent Inverter spot welder offers 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, 14,000 amps of welding current, and NO GUESS WORK!

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.

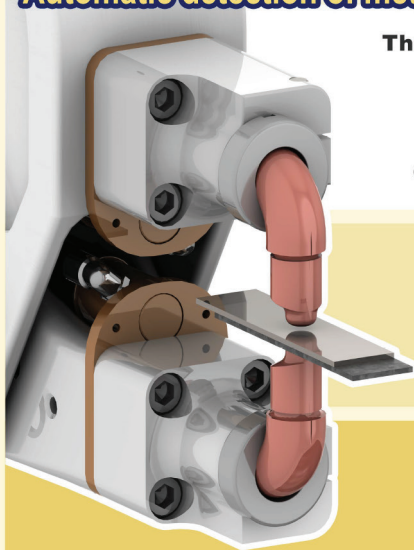
Liquid cooling all the way to the electrode tips.

7" touch screen control panel with high resolution color (800x480 pixels).



Turning Innovation Into Productivity

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 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 of metal type and thickness detection of two metal sheets:

METAL SHEET NO.1

METAL TYPE	THICKNESS
H.S.S.	1.0 mm

METAL SHEET NO.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 A



FORCE: 400 daN



TIME: 300ms

Control panel display

Touch screen for easy operation:

- Pre-programmed tool selections;
- Memory slots;
- 7" high definition LCD display;



Accessories



120mm Straight arms set
(04.PS.80.12)



330mm 1/2 Offset arms set
(04.PS.80.33)



330mm 1/2 Offset arm
(04.PS.80.32)



330mm Dog nose arms set
(04.PS.80.34)



470mm Straight arms set
(04.PS.80.47)



230mm Crocodile type arms set
(04.PS.80.21)



470mm Full Offset arms set
(04.PS.80.41) - Optional



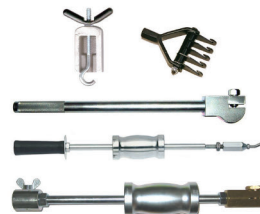
Fender electrodes set
(04.PS.80.22)

Accessories for G clamp:

120mm Straight arms set (04.PS.90.12)
Fender electrode set (04.PS.90.10)
300mm U arm (04.PS.90.30) - Optional

400mm U arm (04.PS.90.40) - Optional
500mm U arm (04.PS.90.50) - Optional
600mm U arm (04.PS.90.60) - Optional

Complete single side welding and dent pulling package included.



Technical information

Nominal input power.....	208-230V / 380-415V / 440-480V 3-Phase
Fuse or breaker.....	80A (208-230V) / 32A (380-415V) / 40A (440-480V) Slow blow
Secondary short-circuit maximum current (RMS).....	14,000A
Frequency.....	50Hz/60Hz
Welding frequency.....	2,000Hz
Welding cable length.....	2.5m (8')
Cooling system (cable, arms and cap).....	Liquid
Nominal operating temperature.....	30°C (86°F)
C clamp tip pressure at 8,5bar (125psi).....	630 daN(1,420lbf) (120 mm arms set)
C clamp weight (without arms).....	7kg (15lb)
Weight.....	195kg (430lb)

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Tech Support
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