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).

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 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:

<table>
<thead>
<tr>
<th>METAL SHEET NO.1</th>
<th>METAL SHEET NO.2</th>
</tr>
</thead>
<tbody>
<tr>
<td>METAL TYPE</td>
<td>METAL TYPE</td>
</tr>
<tr>
<td>H.S.S.</td>
<td>A.H.S.</td>
</tr>
<tr>
<td>THICKNESS</td>
<td>THICKNESS</td>
</tr>
<tr>
<td>1.0 mm</td>
<td>2.5 mm</td>
</tr>
</tbody>
</table>

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

- CURRENT: 9,000 A
- FORCE: 400 daN
- TIME: 300 ms

Control panel display

Touch screen for easy operation:
- Pre-programmed tool selections;
- Memory slots;
- 7” high definition LCD display;

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 (1,420lb) (120 mm arms set)
- C clamp weight (without arms)............................... 7kg (15lb)
- Weight........................................... 195kg (430lb)

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 noze 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.80.12)
- Fender electrode set (04.PS.90.10)
- 330mm 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.