

SPOT-WELDING EQUIPMENT

Designed for the assembly of modern steel sheets with high elasticity. The GYSPT INVERTER BP.LG is the ideal Spot Welder to meet Car Manufacturers requirements (550 daN / 13 000 A with 240 V supply). Easy to handle and Reduced weight (6 kg), the new **GENIUS** clamp allows an automatic retraction of the electrodes in order for quick access of the welding area. The auto-mode allows welding without the operative entering any parameters into the machine. (mode AUTO).



GENIUS INNOVATION

- **80 mm of automatic opening capacity** (20 mm at rest)
- Easy rotation of the arm in order to access hard to reach areas (200 mm of release).
- Clamp support and brass sole-arms for an optimal electrical contact.
- Modular concept of contacts in order to facilitate maintenance.
- **Quick arm removal without use of tools** thanks to double action feature.
- Automatic cooling connection.
- Remote controlled clamp (opening, welding, adjustments validation).
- **Lockable Gyroscope**, ball bearing, integrated into the clamp body.
- Handle, lever and reversible clamp support (right or left).
- Clear labelling ensures Quick identification of each arm (G1, G2, etc).
- Multifunction gun : single-point, swaging , studs, bolts, washers,...

INTELLIGENT WELDING

- **AUTO mode** : the machine automatically recognizes - steel type, sheet-metal thickness, Panel bond presence and insulating material between HLE/THLE/ UHLE/Bore sheet-metal.
- 7 modes available : Normal, Manual, Multi, Gysteel, Auto, Manufacturer and Energy.
- **Tracking** : Recording Feature saves the characteristics of each welding spot performed to the SD card provided
- Easy transfer of saved reports to PC.

HIGH PERFORMANCE

- Welding current : 12 500 A (240 V)
- Clamping force : 550 daN at 8 bar.
- Watercooled power cables, electrodes and caps.
- Maximised productivity thanks to the new G clamp ram concept and the welding algorithm.
- User friendly navigation using a 5.7" LCD screen.
- Automatic adjustment of pressure between electrodes
- Spot count feature to determine the caps lifetime.
- Special welding of bonded sheet metals or hard to weld coatings.

BODY PROTECTION

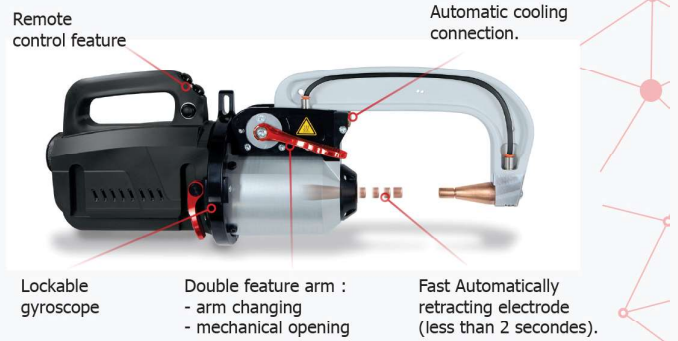
- Protected against overvoltage and overcurrent.
- Sound signal for pressure drop or low current.
- BODYPROTECT Technology to protect the user of magnetic fields (conforms to standard 2013/35/UE).

ROBUST AND MOBILE

- Reinforced trolley which increases stability and monouverability with a 30L tank
- Highly resistant and double size stem (with or without extension).
- Support across the full length of the overhanging arm
- 6 arm support integrated.



- Included :
- G1 arm
 - gun
 - earth cable
 - brackets
 - overhanging arm
 - ...
- (see next page)



50/60Hz	A	I RMS A	U ₀ V	P _{50%} X=50%	mm		Cables (100% Cu)	cm	kg	IP		
					✂ / ✂	✂						
200 V - 3φ	63 (D)	10 000	13.6	25 kVA	3 + 3 + 3	1.5 + 3	2.5 m, Ø 200 mm ² Liquid	2.5 m, Ø 150 mm ² Air	8 m 4x6 H07RNF	65 x 80 x 205	160	IP 20
208 V - 3φ		10 500	14.1	26 kVA								
230 V - 3φ		12 000	15.8	29 kVA								
240 V - 3φ		12 500	16.4	30 kVA								

ACCESSORIES CONSUMABLES

SUPPLIED WITH :

									
	BP.LG	Monopoint electrode	Consumables box	Inertia hammer	Cap remover	Arm support	G1	G2 + G3 + G4	Cooling liquid
ref. 023550	✓	✓	✓	✓	✓	✓	✓		

ISOLATED ARMS (OPTIONS)

 <p>G1 - 550 daN ref. 022768</p>	 <p>G4 - 550 daN ref. 022799</p>	 <p>G6 - 550 daN ref. 022812</p>
 <p>G2 - 300 daN ref. 022775</p>	 <p>G5 - 550 daN ref. 022805</p>	 <p>G7 - 150 daN ref. 022829</p>
 <p>G3 - 550 daN ref. 022782</p>	 <p>G8 - 550 daN ref. 022836</p>	
<p>G2 + G3 + G4 ref. 022898 G2 + G3 + G5 ref. 063297</p>	 <p>G9 + X1 (550 daN) - ref. 022881 X1 - ref. 050501</p>	 <p>X2 - ref. 050518 X6 - ref. 050587</p>