

**SPOT-WELDING  
EQUIPMENT**

# GYSPOT INVERTER BP.L G

Ref. 023451  
Ref. 023499

Designed for the assembly of modern steel sheets with high elasticity. The GYSPOT INVERTER BP.LG is the ideal Spot Welder to meet Car Manufacturers requirements (550 daN / 13 000 A). 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 : 13 000 A
- 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

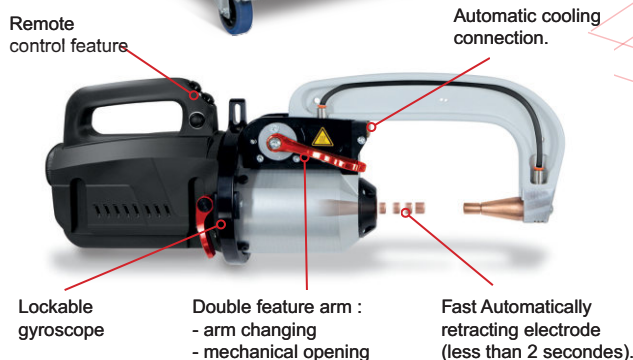
- Protected against overvoltage and overcurrent.
- Sound signal for pressure drop or low current.
- BODYPROTECT Technology to protect the user of magnetic fields (conforms to standard 2013/35/UE).

## 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)



Remote control feature

Automatic cooling connection.

Lockable gyroscope

Double feature arm :  
- arm changing  
- mechanical opening

Fast Automatically retracting electrode (less than 2 seconds).

50/60 Hz	A	A	V	X = 50%	mm	Cables (100% Cu)	cm	kg	IP	
400 V - 3φ	50 (D)	13 000	15.5	32 kVA	3 + 3 + 3 1.5 + 3	2.5 m, Ø 200 mm <sup>2</sup> , Liquid 2.5 m, Ø 150 mm <sup>2</sup> , Air	8 m 4x6H07RNF	65 x 80 x 205	160	IP 20

# GYS POT INVERTER B.P.L G

## SUPPLIED WITH :

	B.P.L.G	Monopoint electrode	Consumables box	Inertia hammer	Cap remover	Arm support	G1	G2 + G3 + G4	Cooling liquid
ref. 023451	✓	✓	✓	✓	✓	✓	✓		
ref. 023499	✓	✓	✓	✓	✓	✓	✓	✓	✓ x3

## ISOLATED ARMS (OPTIONS)

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