

Designed for the assembly of modern steel sheets with high elasticity. The GYSPOT BP GENIUS 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 HSS/VHSS/ UHSS/Boron 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

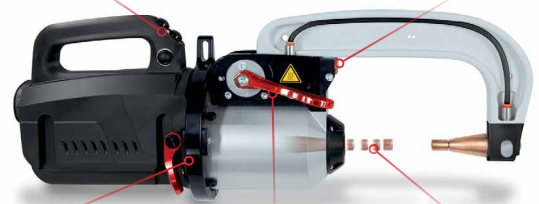
- Reinforced trolley which increases stability and monouverability with a 30L tank
- Highly resistant and double size stem (with or without extension).
- Support across the full length of the overhanging arm
- 6 arm support integrated.



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

Remote control feature

Automatic cooling connection.










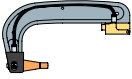
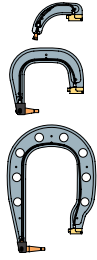



Lockable gyroscope

Double feature arm :  
- arm changing  
- mechanical opening

Fast Automatically retracting electrode (less than 2 secondes).

50/60 Hz	32 (D) 40 (D) 50 (D)	Spots/min (max) 2.5+2.5	I RMS A	U <sub>0</sub> V	P <sub>50%</sub> X=50%	mm 3 + 3 + 3 1.5 + 3	Cables (100% Cu) 2.5 m, Ø200mm <sup>2</sup> , Liquid 2.5 m, Ø150mm <sup>2</sup> , Air	8 m 4x6 H07RNF	65 x 80 x 205	156	IP 20
400 V - 3φ											

## SUPPLIED WITH

											
	BP GENIUS	Monopoint electrode	Consumables box	Inertia hammer	Cap remover	Arm support	G1	G2 + G3 + G4	Cooling liquid	Cover	Box of 40 caps
ref. 023451	✓	✓	✓	✓	✓	✓	✓				
ref. 023499	✓	✓	✓	✓	✓	✓	✓	✓	✓ x3		
ref. 082250	✓	✓	✓	✓	✓	✓	✓	✓	✓ x3	✓	✓

## ISOLATED ARMS (OPTIONS)

			
<b>G1 - 550 daN</b> 022768	<b>G6 - 550 daN</b> 022812	<b>G9 + x1 - 550 daN</b> 022881	<b>G10 - 400 daN</b> 067165
			
<b>G2 - 300 daN</b> 022775	<b>G7 (not isolated) - 150 daN</b> 022829	<b>G9 + x6 - 550 daN</b> 050587	
			
<b>G3 - 550 daN</b> 022782		<b>x2 - 300 daN</b> 050518	
			
<b>G4 - 550 daN</b> 022799	<b>G5 - 550 daN</b> 022805	<b>G8 - 550 daN</b> 022836	<b>G12 - 300 daN</b> 075238