

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

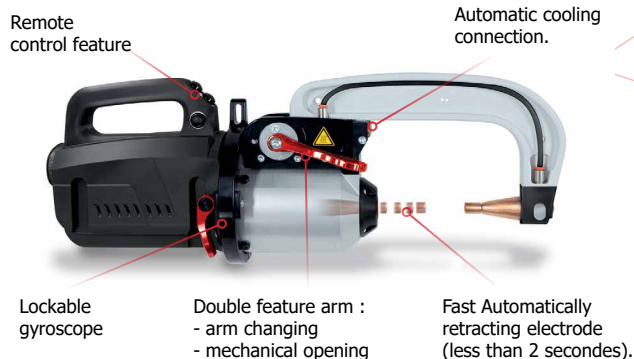
- Protected against overvoltage and overcurrent.
- Sound signal for pressure drop or low current.
- BODYPROTECT Technology to protect the user of magnetic fields (conforms to standard 2013/35/UE).












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.







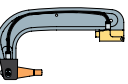
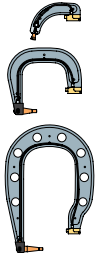





Included :
- G1 arm
- gun
- earth cable
- brackets
- overhanging arm
...
(see next page)



			Spots/min (max)	I RMS	U ₀	P _{50%}	 mm		Cables (100% Cu)					IP
	50/60 Hz	A	 2.5+2.5	A	V	X = 50%						cm	kg	
	400 V - 3φ	32 (D) 40 (D) 50 (D)	2 6 10	13 000	15.5	32 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	156	IP 20

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)

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