



MADHUS
Garage Equipment



INVEST IN THE FUTURE



**GYS
WELDING
EQUIPMENT,
NOW SOLD & SERVICED
BY MADHUS**

The Gyspot INVERTER BP.LX product is a real advance in the field of spot-welding equipment. This machine is the ideal answer to the welding requirements of high strength steels (UHSS/boron steel), with 550 daN electrode arms force at 8 bars with 120 mm arms and 13 000 Amps welding current. This machine is fully compliant with the European directive 2004/40/EC.

Description

Ideal clamp for all types of metal works

- Lightweight and easy to handle: Weight 5 kg
- Clamping force at 8 bars: 550 daN
- Single-sided welding tool with 3 meter cable: spot hammer welding, stud/rivet/ring welding, carbon shrinking
- Accessory box
- Support cable bracket with a telescopic arm
- Control display 6"
- Remote control on the clamp

Performance

- **Welding current:**
 - High welding current : 13 000 A
 - Digital display of the actual current value
 - Sound alert if the welding current is too low
 - Constant current control
- **Electrode force :**
 - Digital display of the actual electrode arms force
 - Lightweight clamp: Weight 5 kg
 - High clamping force: 550 daN with arms 120 mm at 8 bars
 - Liquid-cooled arms up to the tips
 - Sound alert if the actual clamp force is too low

Machine interface

- **User friendly:** Large display (6"), with intuitive menus
- **Easy:** Only 2 parameters to be selected (thickness and steel sheet type)
- Saving of user welding parameters

Tracability

- Record on SD card of the characteristics of each welding spot performed
- Restoration on any PC of the reports saved on the SD card

13 000A
550 daN



- Included :
- Arm X1
 - pistolet
 - earth cable



The « BODYPROTECT » concept protects the user against electro-magnetic fields. The machine is compliant with the directive 2004/40/CE.

Accessories

X (Ø 25mm) + Caps Ø 13mm

X1 8 bar / 550 daN
050501

X2 8 bar / 400 daN
050518

X4 8 bar / 120 daN
050532

X4A 8 bar / 150 daN
020702

X4B 8 bar / 150 daN
020719

X4C 8 bar / 150 daN
020726

X5 8 bar / 200 daN
049253
050549

X6 8 bar / 400 daN
050587

X11 3 bar / 150 daN
051614
051607

X4 (A, B & C) combinations

X4A + X4A

X4A + X4B

X4B + X4B

X4A + X4C

X4C + X4C

X4C + X4B

Arm Panel

X4A (x2) + X5 + X2
022324

X4A (x2) + X4B + X4C + X2
020733

Point Control Tests

050433

Toile

HLE / HTS 1.0 mm (x150) 050167

THLE / VHTS 2.5 mm (x150) 050181

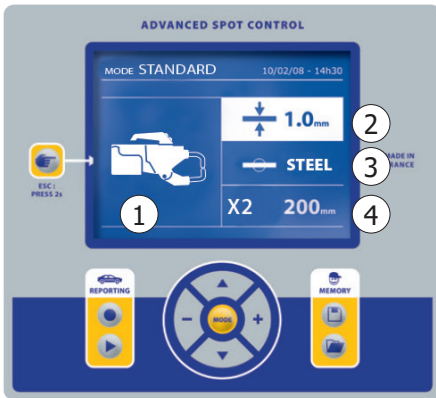
Consummables

050068

x10 (x20: 052239) x18 (x6: 049987)

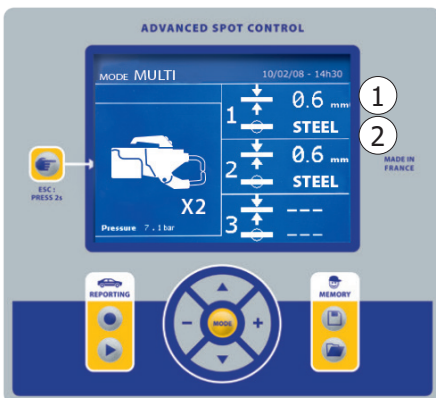
x6 (x6: 049994) x18 (x6: 049970)

50/60hz	32A (D) 40A (D) 50A (D)	Spots/min (max) 2.5+2.5	I RMS 13 000A	U ₀ 16V	mm		Liquid / Air Cooled	← m	∅ mm ²	100% CU	↕	160 kg
					3+3+3	1.5+3						
400V	32A (D) 40A (D) 50A (D)	2 6 10	13 000A	16V	3+3+3	1.5+3	Liquid	2.5	200	OK	65x80x205 cm	160 kg
							Air	2.5	150			
							-	8	4x6 H07RNF			



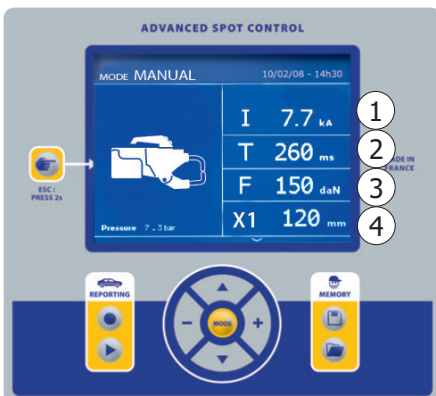
STANDARD MODE:

- 1 - Tool selection: X-clamp, or single sided gun.
- 2 - Sheet thickness: can be adjusted using (+) and (-) keys.
- 3 - Type of steel: STEEL, HSS, UHSS or BORON.
- 4 - Arm length: in order to automatically adjust clamping force.



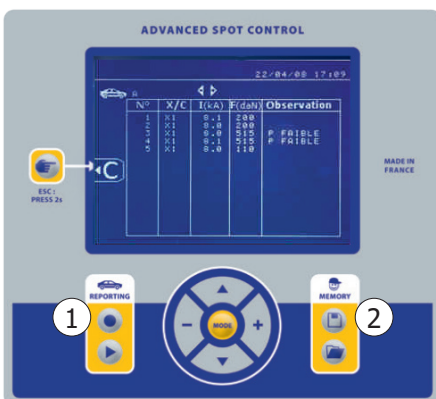
MULTISHEET MODE:

- The machine calculates the correct welding parameters for the selected assembly (2 or 3 sheets).
For each sheet, specify :
- 1 - Thickness
 - 2 - Type of steel



MANUAL MODE:

- Manual adjustment of the welding parameters :
- 1 - Welding current
 - 2 - Welding time
 - 3 - Clamping force
 - 4 - Type of arm



SAVING OF WELDING PARAMETERS AND TRACEABILITY:

- **1 - REPORTING:** Record on SD card of the characteristics of each welding spot performed, and restoration on any PC.
- **2 - MEMORY:** saving of user welding parameters on SD card.

GYSPOT PTI-s7

4M - Ref. 020894 - 400V - 3φ
6M - Ref. 020900 - 400V - 3φ



The GYSPOT PTI-s7 is the ideal answer to the welding requirements of high strength steels (UHSS/boron), with a clamping force of 550daN with 8bars air pressure, and a welding current that can reach 14 500Amps. Its C clamp integrates a high-tech transformer and the machine also brings a solution to limited power supply issues, as it can operate with 20 Amps fuses only. Its operation is extremely easy thanks to the automatic welding parameters setting in EASY mode.

INNOVATION

- Liquid cooled medium frequency transformer integrated in the clamp
- Lower electricity consumption (40% less than cable machine)
- Operating with only 16 Amps delayed fuses power supply
- High duty factor

DESCRIPTION

- Ideal C clamp for all types of metal works
- Lightweight clamp and easy to handle : Weight 10 kg
- Available with a clamp cable of 4m or 6m
- Support cable bracket with telescopic arm
- Remote control on the clamp

PERFORMANCE



- **Welding current :**
 - High welding current 14 500 A
 - Sound alert if the welding current is too low
 - Constant current control
 - Low electrical consumption
 - GLUE mode: for welding sheets with glue or other coatings
- **Electrode force :**
 - Electrode force control
 - Digital display of the actual electrode arms force
 - Electrode force: 550 daN with 8 bars
 - Liquid-cooled arms up to the tips

MACHINE INTERFACE

- AUTO MODE: automatic setting of welding parameters.
- 7 modes available to answer the requirements of all end users

TRACEABILITY

- Record on SD card of the characteristics of each welding spot performed.
- Restoration on any PC of the reports saved on the SD card.



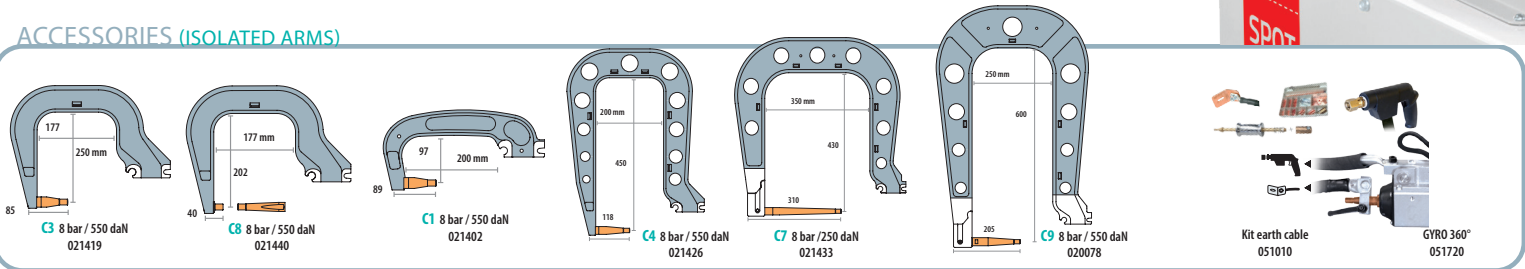
14 500A
550 daN



Included :
- C1 Arm

Lightweight clamp: 10 Kg

ACCESSORIES (ISOLATED ARMS)



	50/60hz	I RMS	U ₀	mm		Cables		100% CU	↕	⚙️	
				↕	↔	Liquid / Air Cooled	↔ m				∅ mm ²
4M	3 x 400V	20A (D)	14 500A	7.3V	2.5+2.5+2.5	1.5+3	Liquid	4	OK	65x80x230 cm	92 kg
6M							Air (option 051010)	6			
							-	1.5	200		
								8	4x4 H07RNF		

The M1 GYS AUTO is a single phase MIG-MAG, with torch connector, recommended for welding steel, stainless steel, aluminium and for MIG brazing of high-tensile strength steels with CuSi and CuAl wires (ideal for car body repairs).

Synergic Mode

• The machine determines the optimum wire speed by selecting :

- the type of wire
- the wire diameter
- the welding current



Spool Gun connector

The Spool Gun torch is ideal for car body repairs of aluminium, AISi5 and AISi12.

4 Drive rolls motor

Suitable for ø200mm and ø300mm wire reels (15kg max).

Saving welding parameters

Memory save feature for each torch and activation of the 'last used' welding parameters (wire diameter, wire type & mode).

3 Welding modes available

- Standard (2T)
- Spot
- Delay

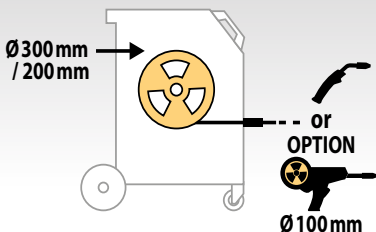


Accessories

Delivered with:
- 1 torch 150A - 3m
- 1 earth clamp 200A - 3m
(regulator not included)

Optional Spool Gun (ref.041486)






+ PRODUIT



Upgradeable - the M1 GYS AUTO can be fitted with a Spool Gun torch. This motorised torch is suitable for ø100mm wire reels of aluminium, stainless steel, copper and steel in ø0.8mm.

- Ideal for soft wire such as the AISi5 or AISi12 (recommended for car body repairs)
- Ease of use : adjusting the wire speed on the Spool Gun torch directly.

CE - EN 60974-1

50/60hz	AM	min▷max	ø mm	ømm				équipé d'origine / original equipment / Originalausstattung / equipamiento de fabrica		EN60974-1 (40°C)		cm/kg	 Protected & compatible POWER GENERATOR (+/- 15%)	 Spool Gun
				100	200	300		I _A (60%)	X% (I ₂ max)					
230V	16A	15▷160A	0.6-1.0		✓	✓	0.6	0.8	90A	140A 15%	47x77x79 50	4.5 kVA	Option	
208/240V					✓	✓	0.8	0.8						

230V steel dent puller with 3800A output current, ideal for all steel straightening and dent pulling jobs. Simple to use thanks to its automatic gun and its user friendly control panel.

USER FRIENDLY

Only 2 parameters to select :

- the output power level (amongst 11 levels)
 - the tool which is used (amongst 7 tools)
- => no need to select the welding current and welding time anymore.**

Automatic triggering

The welding is triggered automatically by a simple contact between the tool and the part to straighten.



READY TO USE

- Earth cable 70 mm² (2m long cable)
- Multi function gun (2m, 70 mm² cables with connector) :
 - Inertia hammer
 - Dent pulling with stars
 - Welding of studs, rivets and rings
 - Contact shrinking, graphite pen.
- 4m long mains supply cable
- an accessories box with consumables

OPTIONS : Manuspot
Réf: 050679



Trolley
Réf: 051331



Levelling bar
Réf: 050693



Quick spot air gun V2
Réf: 057340



4 claw hook
Réf: 049758



50/60hz

I₂ max
A



Auto

SEPARATE
CABLE
GUN

•

U₂
V

7,4



A

I_{RMS}
A

2800



OK



OK

SYNERGIC

•



cm

22.5x36x23.5



kg

23

The ultra-compact EASYCUT 40 is an 8 kg plasma cutter featuring a non-HF starting voltage, making it perfect for cutting all types of metal up to 20 mm thick. With a power output of 40 A, it is fantastic at precision cutting using a low current. This appliance is ideal for workshops or car bodywork repair shops thanks to its excellent portability and cutting performance.

EFFICIENT

- Its inverter technology guarantees quality cutting on all types of steels (soft, stainless, hardened and high-tensile), aluminium and copper, etc.
- Quickly and easily set up consumables.

ERGONOMIC TORCH

- Effective cutting: an air cooled torch body provides greater arc stability and a high duty cycle.
- Equipped with an ergonomic handle for comfort and ease.
- Designed to be shock and heat resistant.
- Connect and disconnect the torch quickly and without using any tools.


SIMPLE TO USE

- Intuitive control panel
- Manually adjust the air pressure (2.5 < 6.5 bar) with a bargraph on the front panel.
- Automatic torch detection.
- Non-HF ignition prevents disturbances that could damage nearby electronic equipment.

SAFE

■ Built-in protections:

 Protected against overvoltage and overcurrent.

 Indicates when air pressure is insufficient or when a torch is detected.

USER FRIENDLY





- Reinforced structure with electrically insulated, non-slip, rubber pads.
- HMI protective cover.
- The torch and earth clamp can be disconnected.
- Compact, lightweight and portable.

ACCESSORIES & CONSUMABLES

	x 4 040236
	x 10 040212
	x 2 040175
	x 10 040168



Consumables box TPT40
039957

	x 1
	x 3
	x 1
	x 3



Compass kit
040205



PLASMA 600 trolley
040298



Impurities / Dirt
filter
039728



Supplied with:
- earth clamp (2 m, 10 mm²)
- torch TPT40 (4 m)

PERFORMANCE

Capacity

Thickness

Separation

Fe	20 mm
Al/CrNi	15 mm

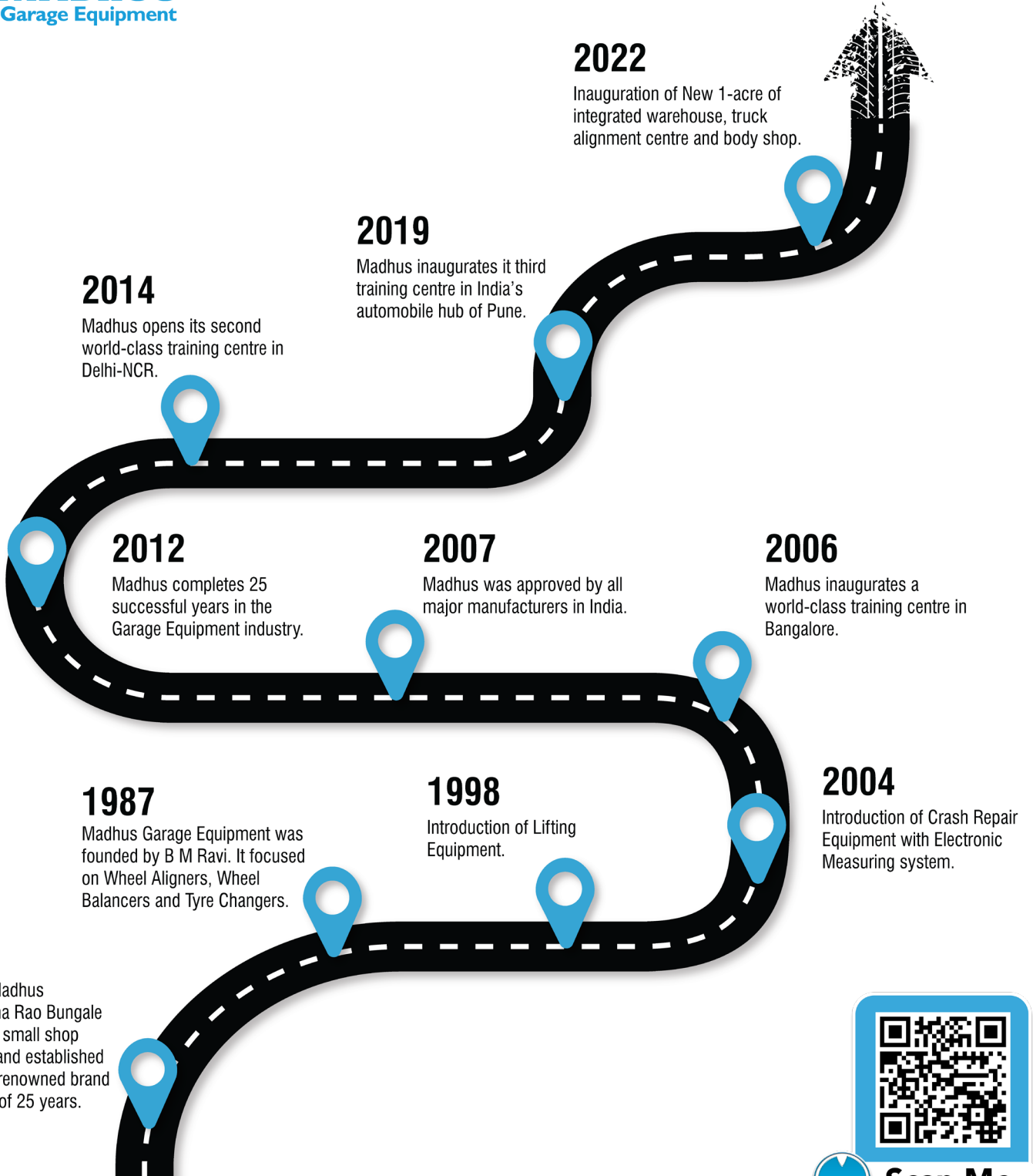
Clean cut

Fe	15 mm
Al/CrNi	10 mm

50/60 Hz	+AM+	I ₂	mm (max)				AIR SYSTEM		EN 60974-1 (40°C)	cm	kg	IP
			Clean cut		Separation		Pressure (bar)	L/min				
230V 1~	A	A	15	10	20	15	2.5 → 6.5	115	X (40°C)	42 x 15 x 30	8	IP 21



35 Years and the journey continues...
Madhus, with its team of over 250 professionals across 35 cities, continues to serve customers and bridge the technological gap between India and the First World.



Scan Me

Thank you for helping us reach this milestone.

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