SPOT-WELDING EQUIPMENT

GYSPOT INVERTER BP.LQC-S7

Ref. 021082 - 400V - 3φ

INVEST IN THE FUTURE

The INVERTER spot welding machine GYSPOT BP.LQC-S7 fulfils the requirements for the welding of High Strength Steels (UHSS/boron steel), with 550 daN electrode arm force and 13 000 Amps maximum welding current. The C-clamp with double action allows an opening of 80mm of the electrodes by a simple pressure on a button. The automatic adjustment of the welding parameters in the AUTO MODE makes the use of this machine extremely simple.

Description

- Double action C-clamp, 80mm opening, lightweight and easy to handle (6Kg)
- Unique quick arm replacement system.
- Nickel plated Aluminium arm soles.
- Cooling liquid automatic connectors.
- Single-sided gun (3 meter cable) spot hammer welding, stud/rivet/ring welding, carbon shrinking.
- Remote control on the clamp.

Included :
- QC1 Arm
- single sided gun
- earth cable

Performance

ENERGY DYNAMIC CONTROL

- **Welding current:**
  - High welding current : 13 000A
  - Constant current control.
  - Sound alert if the welding current is too low
  - GLUE mode : to weld glued steel sheets, or coatings difficult to weld.
- **Electrode force :**
  - Electrode force control.
  - High clamping force : 550 daN under 8 bars.
  - Liquid cooled arms to the tips.
  - Sound alert if the actual clamp force is too low

Machine interface

- The EASY MODE allows welding without entering any parameter in the machine.
- 7 modes available to answer the requirements of both end users and car manufacturers
- User friendly: Large display (6"), with intuitive menus
- Saving of user welding parameters

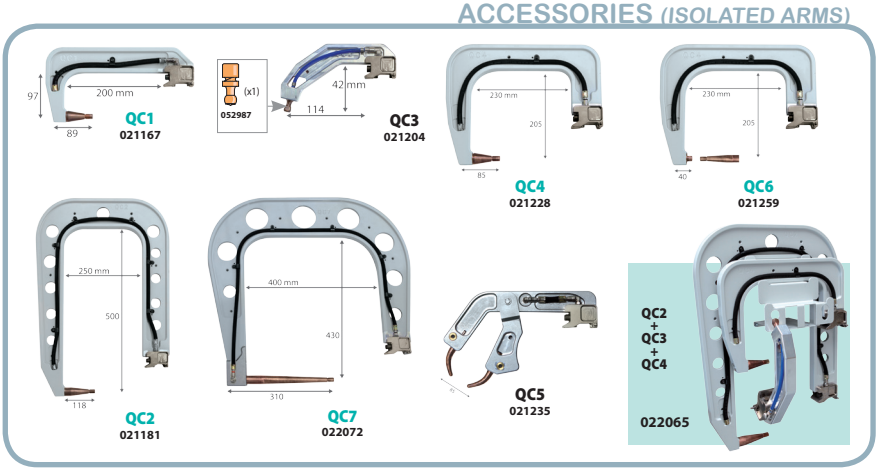
Tracability

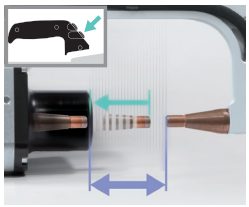
- Record on SD card of the characteristics of each welding spot performed
- Restoration on any PC of the reports saved on the SD card

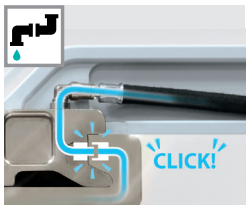
BP BODYPROTECT® TECHNOLOGY 2013/35/UE
UNIQUE ELECTRO-MAGNETIC FIELD PROTECTION by GYS

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

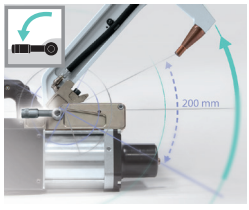
ACCESSORIES (ISOLATED ARMS)




✓Difficult access



✓Cooling liquid automatic connectors.



50/60hz	AM	I RMS	U_0	mm		Cables				100% CU		
							Liquid / Air Cooled	↔ m	Ø mm²			
400V	32A (D)	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			

07/03/2016 CE - EN 60974-1

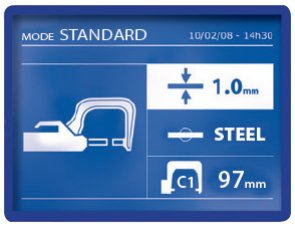
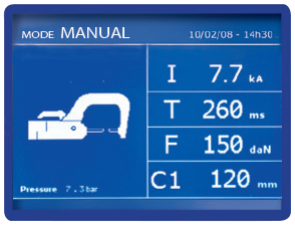
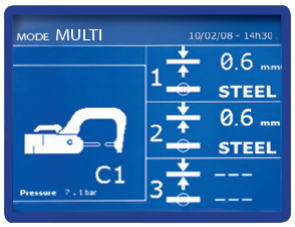
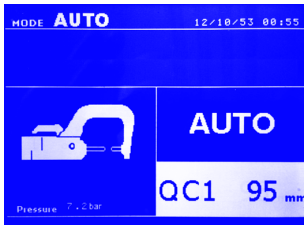
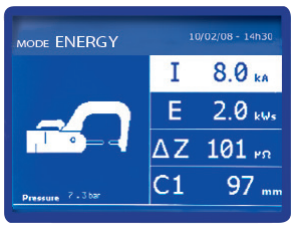
MADE in FRANCE

www.gys.fr

GYSPOT INVERTER BP.LQC-S7

SPOT 7 TECHNOLOGY

INVEST IN THE FUTURE

1		**STANDARD MODE** The machine determines the welding parameters from the thickness of the sheets to be welded and the type of steel.
2		**MANUAL MODE** Direct programming of the welding parameters - welding current - welding time - electrode force
3		**MULTI MODE** The thickness of the sheets to be welded, as well as the type of steel, is specified for each sheet in the assembly. The machine determines the welding parameters.
4		**GYSTEEL MODE** The hardness measurement obtained with the GYSTEEL Vision device can be entered directly in this menu in order to specify the type of steel. The machine determines the welding parameters.
5		**AUTO MODE ** New **** Automatic detection : - of the metal type - of the metal sheet thickness - of presence of glue - of presence of insulating material between the metal sheets ENERGY DYNAMIC CONTROL
6		**CAR MANUFACTURER MODE ** New **** This mode allows recalling, in a welding spot list, pre-recorded welding spots from car manufacturer repair instructions. The welding parameters are automatically effective.
7		**ENERGY MODE ** New **** This mode allows controlling the energy transferred during the welding spot. Only the welding current (A) and the energy (kWs) can be set in order to make the welding spot. This mode has been designed for test laboratories and car manufacturers, for approval purposes.