

Dataliner®

Ref. 021082

GYSPT INVERTER BP.LQC-S7

The INVERTER spot-welder GYSPT BP.LQC-S7 fulfils the requirements for welding 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 press of 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 arms.
- Cooling liquid automatic connectors.
- Single-sided gun (2.5 meter cable) spot/slide hammer welding, stud/rivet/ring welding, carbon shrinking.
- Remote control on the clamp.

PERFORMANCE

- 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 at 8 bar of air pressure
 - Water cooled arms to the tips.

MACHINE INTERFACE

- 7 modes available to answer the requirements of all users.
- Easy to use: welding parameters automatically adjusted in AUTO mode
- Traceability: record on SD card of the characteristics of each welding spot performed. Edition of reports on PC.

ELECTROMAGNETIC FIELDS

- The « BODYPROTECT » concept protects the user against electromagnetic fields. The machine is compliant with the 2013/35/UE directive.



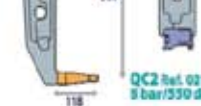
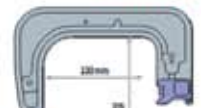
13 000 A
550 daN

Approved by
many car
manufacturers

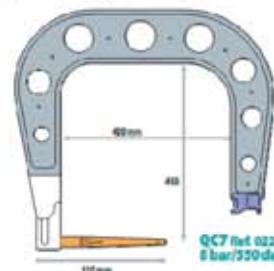


Picture non contractual

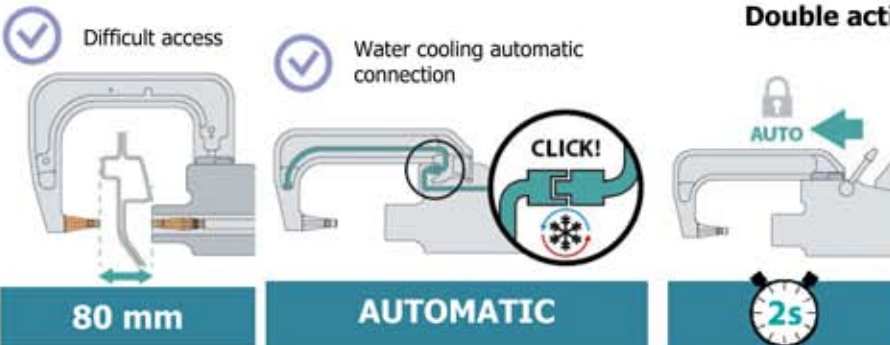
QC ARMS



Double action: 80 mm opening



= Nickel plated Aluminium soles






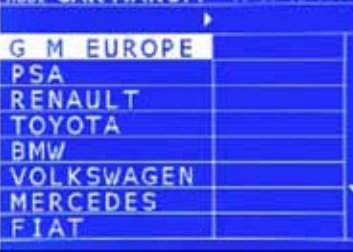



50/60Hz V	A	I rms A	mm	U ₀ V
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Cables	LIQUID / AIR COOLED	l	Ø mm ²	100% Cu	cm	kg
LIQUID	LIQUID	2,5m	200	OK	65x80x205	160
AIR	AIR	2,5m	150	OK		
—	—	8m	4x6 H07RNF	OK		

GYSPT BP LQC-s7 Ref.021082

3x 400 32 (D) 13000 3+3+3 1,5+3 16

1	 <p>MODE STANDARD 29/04/08 13:59</p> <p>0.6 mm</p> <p>STEEL</p> <p>C1 97 mm</p> <p>Pression 7.23bar</p>	<p>STANDARD MODE</p> <p>The machine determines the welding parameters according to the thickness of the sheet to be welded and the type of steel.</p>
2	 <p>MODE MANUAL 24/04/08 11:52</p> <p>I 7.7 kA</p> <p>T 260 ms</p> <p>F 150 daN</p> <p>C1 120 mm</p> <p>Pression 7.23bar</p>	<p>MANUAL MODE</p> <p>Direct programming of the welding parameters</p> <ul style="list-style-type: none"> - welding current - welding time - electrode force
3	 <p>MODE MULTI 29/04/08 13:58</p> <p>1 0.6 mm STEEL</p> <p>2 0.6 mm STEEL</p> <p>3 ---</p> <p>C1</p> <p>Pression 7.13bar</p>	<p>MULTI MODE</p> <p>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.</p>
4	 <p>MODE GYSTEEL 24/04/12 10:10</p> <p>1.5 mm</p> <p>Re 35 UHLE</p> <p>C1 97 mm</p> <p>Pression 7.23bar</p>	<p>GYSTEEL MODE</p> <p>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.</p>
5	 <p>MODE AUTO 12/10/02 09:05</p> <p>AUTO</p> <p>QC1 95 mm</p> <p>Pression 7.23bar</p>	<p>AUTO MODE ** New **</p> <p>Automatic detection of:</p> <ul style="list-style-type: none"> • The type of steel • The thickness of the sheets • The presence of glue • The presence of insulating material between metal sheets
6	 <p>MODE CAR MANUF. 22/02/12 10:19</p> <p>G M EUROPE</p> <p>PSA</p> <p>RENAULT</p> <p>TOYOTA</p> <p>BMW</p> <p>VOLKSWAGEN</p> <p>MERCEDES</p> <p>FIAT</p>	<p>CAR MANUFACTURER MODE</p> <p>This mode allows recalling, pre-recorded welding spots from car manufacturer repair instructions. The welding parameters are automatically set.</p>
7	 <p>MODE ENERGY 24/04/12 10:43</p> <p>I 7.0 kA</p> <p>E 2.0 kW</p> <p>ΔZ 109 V</p> <p>C1 97 mm</p> <p>Pression 7.23bar</p>	<p>ENERGY MODE</p> <p>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.</p>