



CAR BENCH[®]
CAR BENCH INTERNATIONAL SPA

ONLY THE BEST CAN BE NUMBER ONE

SPOT WELDER

CB-3680



AUTOMATIC, INVERTER RESISTANCE SPOT WELDING SYSTEM FOR CAR BODY SHOPS

Resistance welding system controlled by a micro-processor, fully automatic, suitable for use in car body shop applications. The welding control unit uses a digital display with touch screen function and allows setting and monitoring all welding parameters according to the tools and according to the type and thickness of the sheets to be welded.

Briefly, the main features of this welding equipment can be summed up as follows: automatic identification of the connected welding gun; welding gun with integrated transformer enabling the connection to the welding system through an industrial socket and a set of quick fittings, thus allowing to avoid spanners, tools or screws for its replacement; welding gun main components i.e. transformer, arms, electrodes fully cooled by a closed loop cooling system, mounted on the cart of the system itself.



ITEM 8679TS7
for Smart Plus mode
and 700 daN max.
electrode force

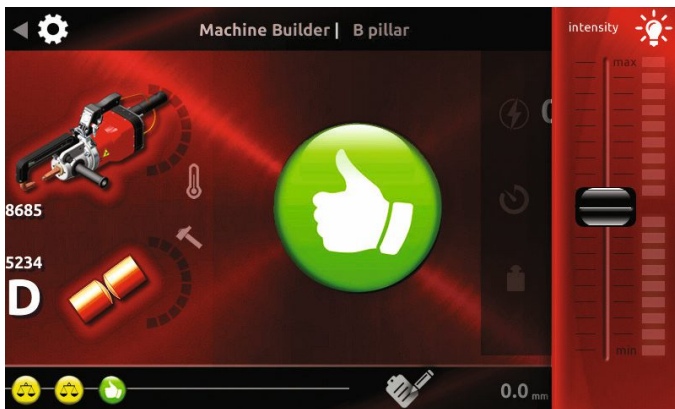


- 1 The welding transformer is fully integrated in the welding gun, it is fully water-cooled to optimize productivity and **increase the duty cycle**.
- 2 The water cooling system affects the transformer, the arms and the electrodes so to further increase the **productivity** of the equipment, through a heat exchanger.
- 3 The supporting arm includes a balancer, designed and sized for a **safe and comfortable** operation in workshop environments.
- 4 New touch screen welding control unit with intuitive graphic diagrams, allowing a very simple use of the machine by the user. It is possible to choose between different operation modes: the automatic **Smart+, Quick and Full** mode
- 5 **The cart is ergonomic, compact** and stable; it is provided with a proper arm-holder in the rear position.

WELDING CONTROL UNIT

New touch screen welding control unit with intuitive graphic diagrams, allowing a very simple use of the machine by the user. It is possible to choose between different operation modes: the automatic **Smart+** mode recognizes the thickness and type of material thus automatically determining the **best values for current and force**, the **Quick** mode requiring to set **welding time, current and force** only, and the Full mode which allows a personal setting of all the desired welding parameters.

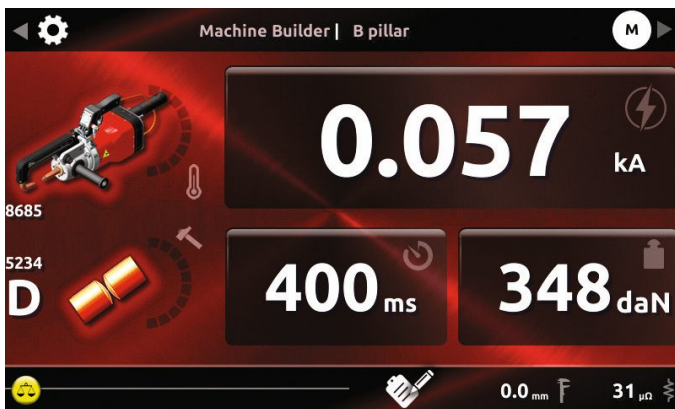
A **USB interface** is available to easily export all data relevant to the performed welded spots for printing purposes. The same USB interface is used to update those welding parameters needed for new materials, parameters constantly developed in **cooperation with the main car manufacturers**.



Working Mode: Smart+



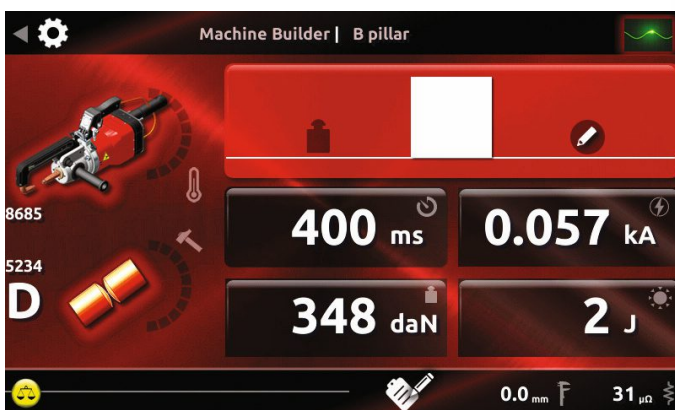
Working Mode: Full Management of Programs



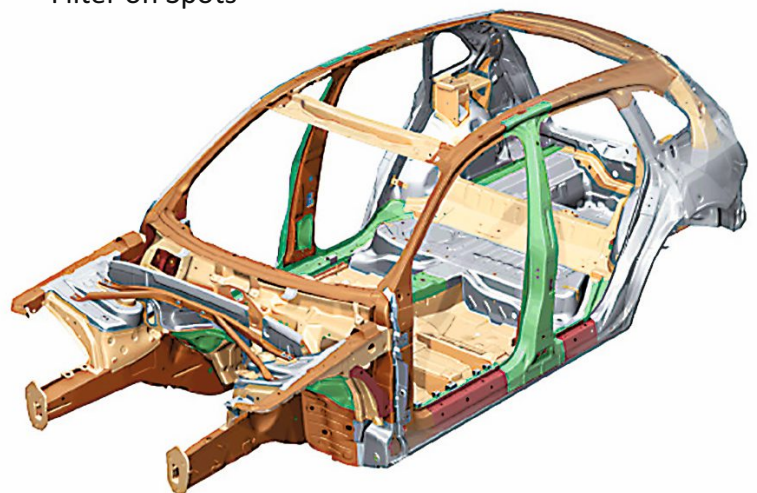
Working Mode: Quick



Filter on Spots



Working Mode: Full



SPOT WELDER CB-3680



TECHNICAL FEATURES

	EUROPE	U.S.
Power supply voltage / frequency*	400 V 50 Hz	220 V 60 Hz
Number of phases (MF)	3	3
Protection fuses (delayed)	32 A	60 A
Degree of protection	IP21	IP21
Weight	140 Kg	140 Kg

*Different voltages and frequencies on request

GUNS

Nominal Power at 50%	19 kVA
Maximum welding power	60 kVA
Maximum secondary current	14 kA
Thermal current 100%	1.8 kA
No load secondary voltage	8.7 V
Maximum electrode force	700 daN
Recognition sensor	S
Protection degree	IP21
Weight without arms	12.5 kg
Cable length	4 m



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