



Sistema di gestione
certificato
ISO 9001
Certified
management system



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CAR BENCH INTERNATIONAL SPA

ONLY THE BEST CAN BE NUMBER ONE



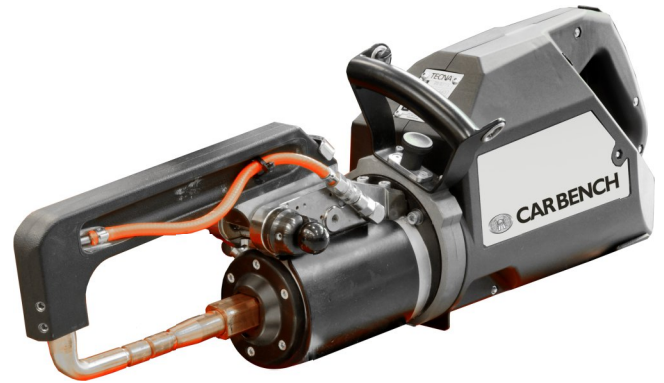
SPOT WELDER CB-3680S

SPOT
WELDER

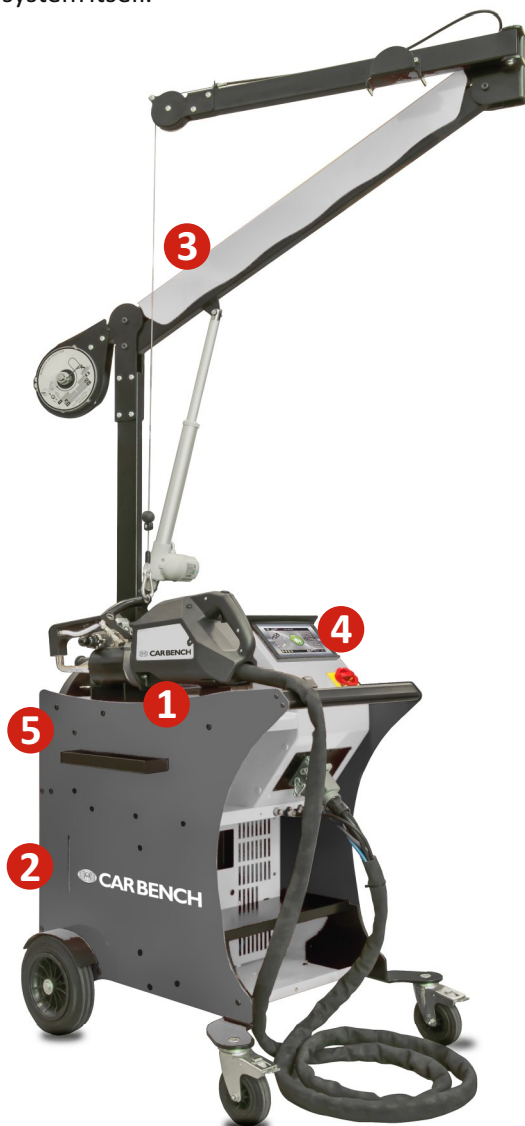
AUTOMATIC, INVERTER RESISTANCE SPOT WELDING SYSTEM FOR CAR BODY SHOPS

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 8692
for Smart Plus mode
and 615 daN max.
electrode force

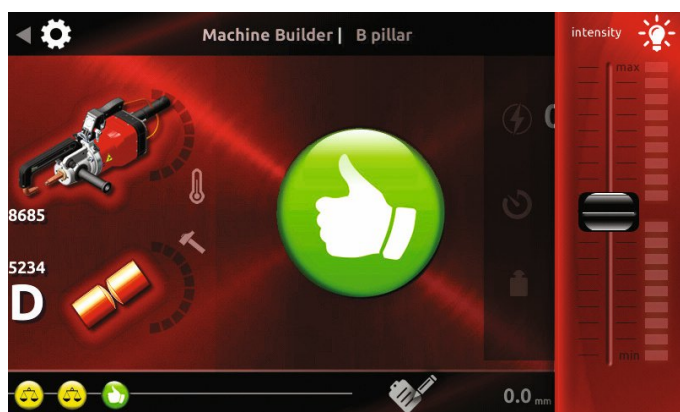


- 1 The welding transformer is fully integrated in the welding gun, it is fully water-cooled to optimize productivity and **increase the duty cycle**.
- 2 The water cooling system affects the transformer, the arms and the electrodes so to further increase the **productivity** of the equipment, through 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.

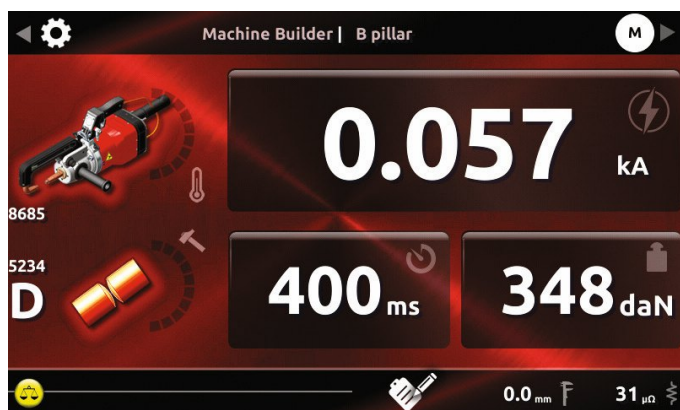
A **USB interface** is available to easily export all data relevant to the performed welded spots for printing purposes. The same USB interface is used to update those welding parameters needed for new materials, parameters constantly developed in **cooperation with the main car manufacturers**.



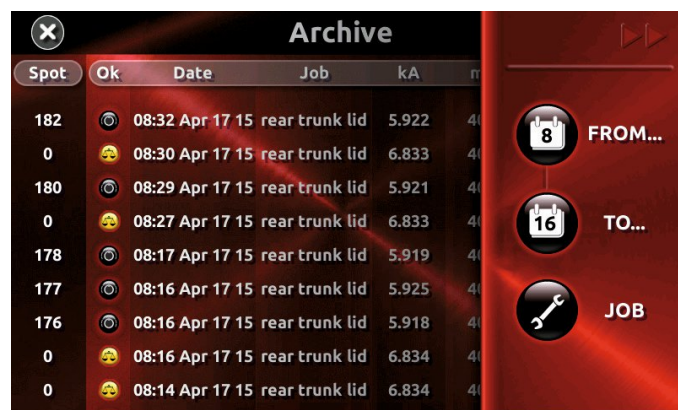
Working Mode: Smart+



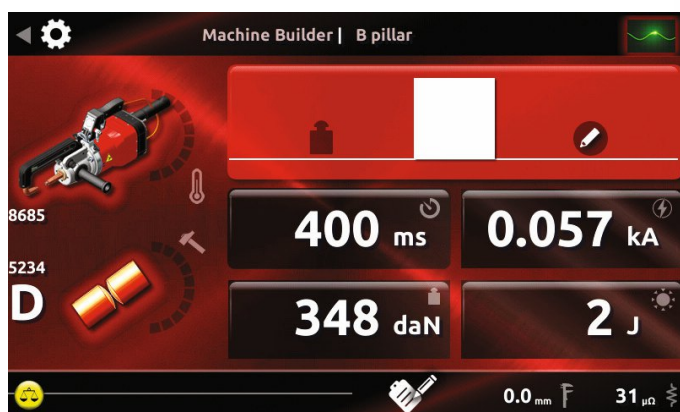
Working Mode: Full Management of Programs



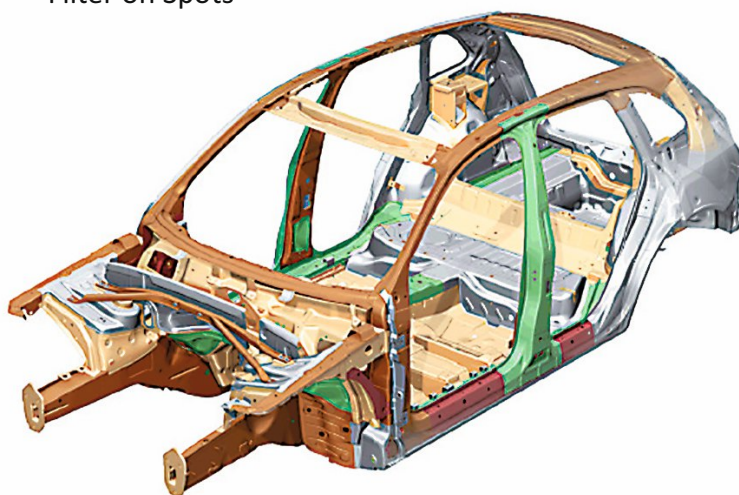
Working Mode: Quick



Filter on Spots



Working Mode: Full



SPOT WELDER CB-3680S



TECHNICAL FEATURES

	EUROPE	U.S.
Power supply voltage / frequency*	400 VACx3-50 Hz	220 VACx3-50/60 Hz
Welding current	15.500 A	15.500 A
Protection fuses (delayed)	32 A delayed	60 A delayed
Weight	165 Kg	165 Kg

*Different voltages and frequencies on request

GUNS

Nominal Power at 50%	19 kVA	19 kVA
Maximum welding power	22 kVA	22 kVA
Maximum welding power	129 kVA	129 kVA
Thermal current 100%	2,05 kA	2,05 kA
No load secondary voltage	7.7 V	7.7 V
Maximum electrode force at 8 bar	615 daN	615 daN
Recognition sensor	S	S
Weight without arms	10.8 kg	10.8 kg
Cable length	4 m	6 m

APPROVALS

Lamborghini	Ford Europe	GM
Tesla	Ford USA	Hyundai USA
Mercedes Benz	Jeep	Subaru USA
Smart	RAM	Suzuki USA
Volvo	Chrysler	Nissan USA
Toyota	Opel	Nissan Europe
Honda	Vauxhall	Maruti Suzuki

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