

EMECAR
portable
spot-welding
unit



EMECAR with "scissors-shaped"

EMECAR with "C-shaped"



EMECAR with "scissors-shaped"

EMECAR PORTABLE WELDER WITH "SCISSORS-SHAPED" PLIERS
EMECAR PORTABLE WELDER WITH "C-SHAPED" PLIERS

EMECAR portable welder with "scissors-shaped" pliers and 10KVA power at 50%.
EMECAR portable welder with "C-shaped" pliers and 10KVA power at 50%.

The EMECAR portable spot-welding unit is the result of several years of experience in the field of low power resistance spot welders. Its compact size and portability make this unit extremely interesting for the sheet-metalworking industry using the resistance welding technique.

This unit is comprised of a moveable trolley with pivoting wheels which holds the transformer and the control panel on the top and the water-cooling system on the bottom. The welding gun is connected to the transformer by a very flexible cooled welding cable which allows the gun to be used in difficult work positions. A wide range of arms, electrode holders and electrodes make the whole system very flexible and suitable for all welding conditions.

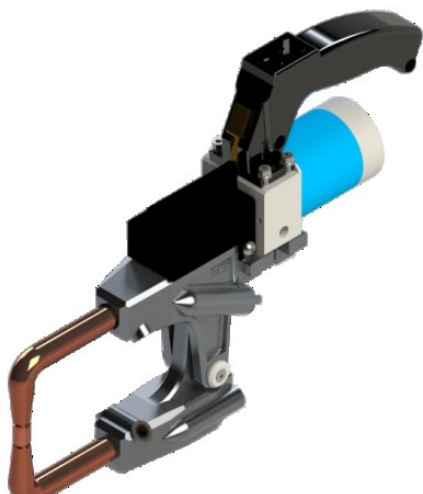
The unit is completely self-contained and only requires connection to the electric mains and to the compressed air outlet. A close loop system together with an integrated air-water heat exchanger provide the welding gun, the welding cable and the transformer group with cooling.



EMECAR with "C-shaped"

EMECAR with "scissors-shaped"

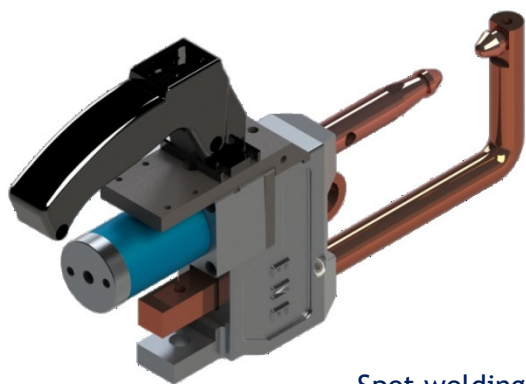
EMECAR with "C-shaped"



spot welding "SCISSOR-SHAPED"

SPOT WELDING "SCISSOR-SHAPED"

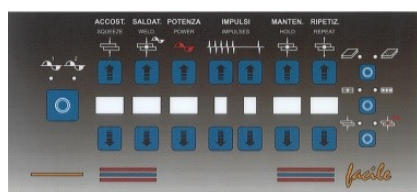
Spot welding scissor-shaped pliers in aluminium alloy with lever movement which gives high force to the electrodes, even with long arms. The arms and the electrodes are easily interchangeable to configure them to different welding conditions. The light weight and ergonomically designed handle allow extreme mobility in all conditions.



Spot welding "C-SHAPED"

SPOT WELDING "C-SHAPED"

Spot welding C-shaped pliers in aluminium alloy. The arms and the electrodes are easily interchangeable to configure them to different welding conditions. The light weight and ergonomically designed handle allow extreme mobility in all conditions.



"FACILE" WELDING CONTROL

The "FACILE" weld synchronous control board with a diode microprocessor controlled in 5 steps is equipped with double programme and pulses.

EMECAR with "scissors-shaped"

EMECAR with "C-shaped"

TECHNICAL FEATURES	Emecar scissors-shaped	Emecar C-shaped
Nominal power at 50% ED	10 KVA	10 KVA
Nominal primary voltage	400 – 230 V	400 – 230 V
Nominal frequency	50 Hz	50 Hz
DC secondary current	8,5 KA	8,5 KA
Maximum welding current	6,8 KA	6,8 KA
Secondary current at 100% ED	1 KA	61 KA
Vacuum secondary voltage	8,5 V	8,5 V
Power cable section (≤ 40 int. line)	10 mm ² 400V	10 mm ² 400V
Up to 30m line	16 mm ² 230V	16 mm ² 230V
Max force at the electrodes	40 - 120 daN	40 - 120 daN
Max welding capacity on mild steel	2+2 mm	2+2 mm
Compressed air supply	600 KPA	600 KPA
Operation	Electropneumatic	
Cooling	Close-circuit water	
Dimension L x W x H	800 x 400 x 1040 mm	800 x 400 x 1040 mm
Weight	95 Kg	95 Kg