



## PORTABLE SPOT-WELDER **EMECAR** series

The "**EMECAR**" Portable spot-welding unit is the result of several years of experience in the field of low-power resistance welding machines.

It is highly compact and offers the optimum mobility making this unit of extreme interest to all sheet-metalworking industries using resistance welding technique.

This unit is an Integrated system mounted on pivoting wheel's and holding the transformer and control panel on the top and close-circuit water-cooling system at the bottom.

The welding gun is connected to the transformer by a very flexible single secondary cable for passing the welding the current , this allows the gun to be used in difficult work positions. A wide range of arm, electrode-holders, adaptors and electrodes make the whole system very flexible and suitable for many welding conditions.

The unit is completely self-contained and only requiers connected to the electric mains and a compressed air out-let. There is a close loop water cooling system for the welding gun, the welding cable and of the transformer this is connected to the air-water heat exchanger integrated in the carriage itself.



### **Welding tongs**



TECHNICAL DATA			
Nominal power at 50% duty cycle	KVA		10
Nominal primary voltage	V		400/230
Nominal frequency	Hz		50
Short circuit current	KA		8,5
Max secondary weld current	KA		6,8
Secondary current at 100%	KA		1
Secondary voltage	V		8,5
Cable dia. Up to 30 m. line	mm <sup>2</sup>		10/400V – 16/230V
Max electrode pressure at 6 atm (600 KPa) short arms	daN		40-120
Max weld capacity (soft steel, shorts arms)	mm		2+2
Compressed air pressure	KPa		600
Actuation		ELECTROPNEUMATIC	
Cooling		WATER	
Dimensions BxLxH	mm		800x400x1040
Weight	Kg		95

## Arms for Portable Spot-Welder

