

PLASTIC WELDING MACHINES/**one**



14-6 HPW/**one**

Aumatech[®]
Finishing and plastic welding technology

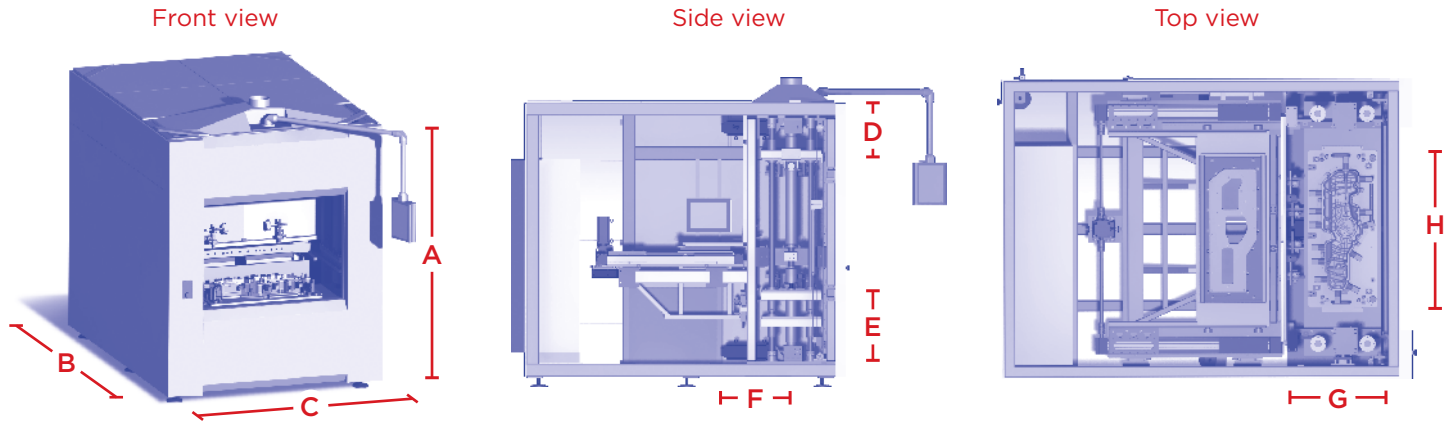
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WE RAISE YOUR BUSINESS

Aumatech[®]

PLASTIC WELDING MACHINES/one

The welding machines One, totally manufactured in Italy, carry over 20 years of Aumatech experience in Automotive finishing and welding lines for the most important worldwide car manufacturers (OEM).



		10-5 HPW/one	14-6 HPW/one	20-8 HPW/one
Power supply	V	400V 3Ph + N + PE	400V 3Ph + N + PE	400V 3Ph + N + PE
Frequency	Hz	50	50	50
Air pressure	bar	6	6	6
Power	kW	15	20	30
Noise Level	dB	<80	<80	<80
Overall dimension	A B C mm	2670 x 2880 x 1760	2670 x 2880 x 2160	2670 x 2880 x 2960
Weight	Kg	2800	3200	4200
UMP - Upper Movable Plate	LxP mm	1060 x 600	1460 x 760	2060 x 860
UMP - Upper Movable Plate stroke	D mm	600	600	600
LMP - Lower Movable Plate	LxP mm	1060 x 600	1460 x 760	2060 x 860
LMP - Lower Movable Plate stroke	E mm	600	600	600
HM - Hot Mirror	G H mm	1000 x 500	1400 x 600	2000 x 800
HM - Hot Mirror stroke	F mm	800	800	800
Heating zones	n	4	8	14
HM - Hot Mirror - surface treatment		Teflon	Teflon	Teflon
HM - Hot Mirror - Connection		Quick connection electric-pneumatic	Quick connection electric-pneumatic	Quick connection electric-pneumatic
HM - Hot Mirror - Change over		Quick clamping system	Quick clamping system	Quick clamping system
PLC Control		Siemens S7-1513 F-1 PN**	Siemens S7-1513 F-1 PN**	Siemens S7-1513 F-1 PN**
Operator Panel - HMI		Siemens Touch Panel 9" Color**	Siemens Touch Panel 9" Color**	Siemens Touch Panel 9" Color**

OPTIONAL				
USB Plug for data downloading		Included	Included	Included
Operator Panel - HMI adjustable arm		Option	Option	Option
Communication Type Ethernet - Profinet		Included	Included	Included
Industrial Modem for remote service Ewon		Option	Option	Option
Vacuum on UMP - Upper movable plate		Option	Option	Option
Vacuum on LMP - Lower movable plate		Option	Option	Option
External air exhaust and filtering		Option	Option	Option
Suction Hood for welding fumes		Included	Included	Included
UPS Power Backup		Option	Option	Option
Voltage stabilizer		Option	Option	Option

** included for stand-alone machine not integrated on production line.

10-5 HPW/one

This size is suitable for welding smaller components. Suitable for welding components for engine air ducts, cockpit, engine water cooling tank, etc.

14-6 HPW/one

This size is for welding medium-large components such as upper and lower shell for Ad Blue tank, heat exchanger water tank, heat exchanger's water tank for dishwasher, etc.

20-8 HPW/one

This size is for welding large dimensions components with the same precision and quality as smaller sizes. Suitable for components such as bumpers, cockpit ventilation ducts, dashboard, etc.

WELDING TECHNOLOGIES



ULTRASONIC



INFRARED



HOT PLATE



LASER



QUALITY ABOVE ALL

Our machines quality is based on three pillars: lean designing (no unuseful sophistication), workability oversizing (to ensure sturdiness and durability over time) and full electric concept (increased precision at work)



FULL ELECTRIC

Compared to traditional hydraulic systems, the full electric ones perform less maintenance, lower energy and spare parts consumption, higher positioning precision and therefore welding accuracy.



WORLD CLASS COMPONENTS

Our machines carry only high quality components from renowned brands, easily available internationally, to ensure safety and reliability.



ENERGY EFFICIENCY

Machine designing complies with ISO50001 thus enabling energy consumption reduction and exhaust materials disposal. Moreover, our hot-plate welding application performs an extra energy saving by profiting stored thermal inertia.



USER FRIENDLY

User's interface is given by modern 9" colors touch screen easy to deal with. Starting with standard version, it is possible to create, store and download manufacturing data and recepies.



COST EFFECTIVENESS

Aumatech's vertical integration, commercial approach, machine's energy saving and life span extension, they all contribute to the attainment of a superior quality/price ratio.



CUSTOMIZABLE

Thanks of Aumatech's experience in manufacturing special machines, it is possible to customize standard machine as well as manufacture a turnkey special welding machine on customer needs to be integrated in existing production lines.



INFRARED INSPECTION

Hot-plate and infrared models can be equipped with thermographic inspection system Aumatech Scan. It enables a full inspection of heated surfaces on single item as well as hot plate before performing welding operation.



I 4.0 READY

Machine designing complies with I 4.0 standards and therefore is certifiable. All main diagnostic and production parameters can be monitored remotely through client's IOT platform.

Expand our machines worldwide presence



Aumatech[®]

HEADQUARTER

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