

HOT PLATE WELDING MACHINES

Application

Automobile parts (such as: automotive lights, water tanks, scrubbers, glove boxes, fuel filters, carbon canister, etc.)

Commodities (such as: iron, dust barrel, etc.)

Electronic appliances (such as: washing machine balance ring, washing machine out of the hydrant, batteries, etc.)



Principle

Hot plate welding utilizes a temperature controlled heat platen assembly, which is introduced between the two parts to be assembled. All items are brought together, and the melting cycle is started. Both halves of the holding fixtures are brought together against stops for the proper amount of seal time and seal depth.



Special Features

- * "Plastic molding multiple-directional adjustment mechanism" can be adjusted by Tooling fixture quickly.
- * Transmission can use pneumatic, hydraulic or servo motor drive.
- * Can be applied to different sizes of work pieces, no area restrictions.
- * Can be applied to any welding surface, no special requirements.
- * Welding plastic surface allows the remaining compensation amount, the welding strength is assured. Should require various materials, adjust the welding procedure.
- * Smart design to accommodate the desired production.




Hot Plate Mold

Model & Technical Specification

Model	AHS5030P	AHS6550P	AHS8060P
Machine Dimension L x W x H (mm)	1350 x 1300 x 2250	1490 x 1470 x 2450	1669 x 2350 x 2680
Machine Weight	1.1T	1.6T	1.8T
Upper & Lower Base Mold Size (mm)	450 x 300	655 x 400	880 x 650
Maximum Welding Area (mm)	300 X 260	600 X 400	800 X 600
Safety Grating Height	440mm	440mm	440mm
Upper Mold Stroke	250mm	350mm	360mm
Lower Mold Stroke	250mm	300mm	360mm
Hot Plate Stroke	300mm	450mm	700mm
Insert Air Tube Diameter	Dia 12mm	Dia 12mm	Dia 12mm
Input Voltage	380V, 50Hz	380V, 50Hz	380V, 50Hz
Maximum Input Power	10Kw	20Kw	30Kw
Equipment Control	PLC Control + HMI	PLC Control + (mm) HMI	PLC Control + (mm) HMI
Control Voltage	DC 24V	DC 24V	DC 24V
Air Storage Volume	10L	10L	20L
Sensor Test Range	3-8mm	3-8mm	3-8mm
Air Pressure (required)	0.5 ~ 0.7Mpa	0.5 ~ 0.7Mpa	0.5 ~ 0.7Mpa
Maximum Humidity/Room Temperature	≤80%RH/10~60	≤80%RH/10~60	≤80%RH/10~60
Noise	85dB	85dB	85dB

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