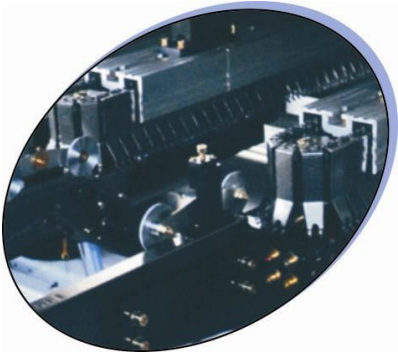


**HB HW Series Solder Wave Machine**



Closed Loop with Inverter Control System to keep the stability and accuracy of speed managed. Have a pair of the Assistant Device to hole the PCB smoothly entry by soft-press.



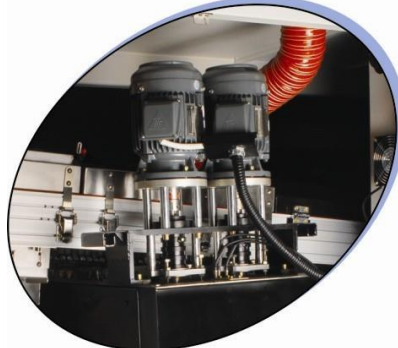
Modularization High efficiency pre-heater is convenience for maintenance,attained powerful heat and long life.



Solder Pot in/out and up/down driven by motorized system with security deviceto avoid any damage cause of incorrect operating.



Window XP OS assorted with Intellectronics Design, Chinese/English Language on-screen alternative available is most convenience to operating.



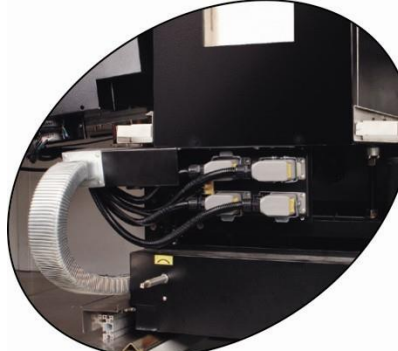
Standard full Titanium solder pot for Lead-free Production.  
 1/2HP high power Mechanical pump to meet the wave as high as 15mm.



Spray Nozzle driving by Servo Motor will be Guided speeding and frequency according to the PCB width; The nozzle is right angle according to rail always to ensure the flux can good penetrate the PCB through holes.



The adjustable Micro-Wind Circulation Design; With independent temperature control in 3 Pre- heating Zones that can insure to achieved the best heat-efficiency.



Quick plug and towline protection, more safe and reliable.



Compelling Cooling System to attain the great cold-down slope as per lead-free required; Conveyor angle can easily be adjusted by manual.

### HW Series Parameters

<i>as HB provided : S = Standard, O = Option</i>		
<b>Specifications</b>	<b>HW-350 / HW-450</b>	<b>HW-350-N / HW-450-N</b>
Dimension: L x W x H(mm)	4430 x 1620 x 1710	4430 x 1620 x 1710
Weight	Approx. 2300KG	Approx. 2300KG
Power Supply	3P5W,380/220V 50Hz 63A	3P5W,380/220V 50/60Hz 63A
Startup Power (KW)	26KW	28KW
Operate Power Consume	12KW	14KW
Control System	Computer +PLC	
<b>Spray System</b>		
Transmission Method	Step motor	
Spray Pressure	0.25 Mpa ~0.4 Mpa	
Flux flow	10~100 ml/min	
Auto Fill Flux	Standard	
Exhaust Method	Up & down exhaust	
Exhaust Ducting Diameter	Φ200 mm	
Exhaust Capacity	25 m <sup>3</sup> /min	
<b>Preheating System</b>		
Preheating Mode	Hot-air (Option: IR heater at Top)	
Control Mode	PID + SSR	
Preheating Zone Number	3	
Preheating Length	1800 mm	
Preheating Temp.	Room Temperature ~250°C	
Warm-up Time	Approx. 15 min (Setting at 150°C)	
Hot-air Blower	Standard	
<b>Transmission System</b>		
PCB Width (L x W)	Min.: 80 x 60 mm ; Max.: 500 x 350/450 mm	
Conveyor Direction	Standard: L→R; (Option: R→L)	
Conveyor Speed	0~2000 mm/min	
Conveyor Height	750 ±20mm	



**D P I** s.r.l.

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Component Clearance (mm)★	Top 120 (Option: 160) / Bottom 15	
Conveyor Speed Control Mode	Closed loop	
Finger	Standard: 双钩爪	
Conveyor Width Control Mode	Auto	
Conveyor Angle	4°~7°	
<b>Soldering system</b>		
Solder Pot Material	STD: Full Titanium Pot	STD: Full Titanium Pot
Wave Height Adjust	PC + Digital Control By	
Heater Power	380VAC 10/12KW	
Solder Pot Temperature	300°C	
Solder Pot Capacity	Pb-Free 450 ; Pb 550KG / Pb-Free 600 ; Pb 650KG	
Wave DrivePower	1/2HP x 2 , 3Phase 220VAC	
Solder Pot Warm-up Timing	Approx. 180 min. (Setting at 250°C)	
Temperature Control Mode	PID + SSR	
<b>Cooling System</b>		
Cooling Method	STD: Forced Air (Option: Air Chiller)	
<b>Other</b>		
Finger Cleaning System	Brush	
Finger Lifting At Returning	Standard	
<b>Option</b>		
Centrer Support	Optional	Optional
J-Sonic Ultrasonic Spray	Optional	Optional
Top Heating	Optional	Optional
UPS Protection	Optional	Optional
Nitrogen Device	Optional	Optional
Feeder Knife	Optional	Optional