



# **ProWave JW250**

## Wave Soldering Machine



## INTRODUCTION:

1. Automatic conveying power system and auto synchronous board feeding functions.
2. Tin stove peak uses frequency conversing speed adjustment which can independently control the wave height.
3. Flux sprays system using scanning spray nozzle, Japanese nozzles and rodless pneumatic cylinders and PLC control, accurate and reliable.
4. PLC is used to control the machine, to ensure the reliability and stability of the system.
5. With Remote Infrared Ceramic heating pipe preheating device, heat radiation directly to the circuit board bottom, fast heating and stimulate the full activity of flux.
6. Special alloy transportation chain claws, non-stick tin and ensures the quality of welding PCB board.
7. Tin stove adopts imported high frequency conversion motor independent control, stable performance.
8. Lead-free solder furnace with independent design, environment protection and safety, easy to clean.
10. Preheating system uses three independent temperature control so that ensure the excellent heat preservation, temperature uniformity, temperature difference no more than  $\pm 2^{\circ}\text{C}$ .
11. Time can be controlled, we can preset switch functions, tin stove can heat within 90 minutes.
12. Automatic claw cleaning function ensure the cleanliness of claws.
13. Reasonable design and sensitive fault security alarm system ensure the stable performance and operators' safety.

Model	ProWave	JW250
General Specification	Dimension	2500x1200x1560 mm
	Weight	700 kg
	Start Up Power	Approx 11 Kw
	Normal Power	4-6 Kw
	Power Supply	3ph, AC380V/220V 50Hz
	Control Systems	Key Panel
Conveyor Systems	Direction	Left to Right ,Front Fix(R to L)
	Finger Type	Titanium Alloy V shape
	Entrance	300mm PCB loading buffer
	Speed Control	Motor(Panasonic)
	Speed	300-2000 mm
	Component Angle	4-7°
Spray Flux Systems	Component Height	Top 120mm, Bottom 15mm
	Motor	Stepper motor
	Nozzle Type	7-Up ST-8
	Capacity	3.5 liter
	Air Pressure	3-5 bar
Heating System	Structure	Modular for easy maintenance
	Heating Zones	Bottom 2 zones
	Length	800 mm
	Method	Forces hot air
Solder Pot	Type	Modular for easy maintenance
	Capacity	220 kg
	Two Wave	Turbulence Wave and Lambda 2nd Wave
	Material	Titanium Alloy
	Cleaning	Cleaning finger systems