

Wave Soldering Machine

(LEAD FREE)

*The model **GTSS-WAVE-45** can be configured with dual waves to accommodate through-hole, surface mount and mixed-technology assemblies. The chip wave can be deactivated through the user interface for non-SMT applications, although the addition of the oscillating wave option will allow the chip wave to aid in hole fill and bridge reduction for difficult-to-solder boards of all technologies.*



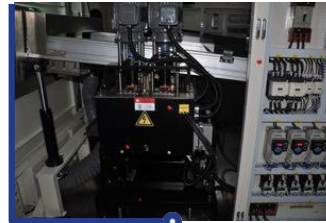
FEATURES



Versatility for any wave soldering application



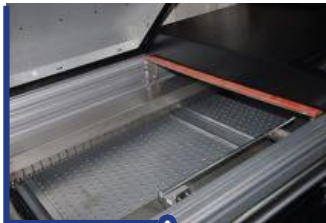
Dual wave solderpot (Full Ti-alloy)



Solder pot inlet / outlet by motorized



Ultrasonic sprayer



Hot air preheating zone with 1800mm length



Titanium finger conveyor includes motorized width adjustment and PC software control



Nitrogen system for wave soldering



Tunel de N2 (Nitrógeno) en el área del Pot (olla)

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SPECIFICATIONS

Model	GTSS-Wave-45
Dimension (L*W*H) mm	4430*1620*1710
Weight (kg)	2300
Power supply	3 PHASE, 5 WIRES, 220V 50/60Hz 63A (380/440V options)
Startup power (Kw)	26
Operation power consumption (Kw)	12
Control system	Computer + Siemens PLC
Transmission method	Stepping motor
Auto Flux Feeding	Standard
Fluxflow range (ml/min)	10-100
Air pressure (Mpa)	0.25 - 0.4
Exhaust Pipe Diameter (mm)	200
Preheating method	Hot air
Control mode	PID+SSR
Length Preheating zones (mm)	1800
Preheating Temp. Range (°C)	Room Temperature ~ 250
PCB Width L*W (mm)	Min: 80*60; Max:500*450
PCB Conveyor direction	L→R / R→L (optional)
PCB Conveyor height (mm)	750 +/-20
Conveyor speed (mm/min)	0-2000
Available components height (mm)	Top: 120 (160 Optional) Down: 15
Finger	Special Titanium
Rail width control	Automatic
Conveyor angle Wave	4° - 7°
Wave Driving Method	Motor drive
Solder pot material	Titanium alloy
Wave	Double wave
Wave height adjust	Digital control by PC
Heater power	380AC 12KW
Solder pot capability	GTSS-Wave-45: Pb-Free 550 kg
Solder pot temperature Limit	300°C
Solder pot warm-up time	Approx. 180 min (setting 250°C)
Temperature control mode	PID+SSR
Cooling system	Forced air cooling

OPTIONAL

- POKA-YOKE System
- Nitrogen supply tunnel system in solder pot area
- Top IR Quartz lamp preheater has the special function to achieve Smart turn-on and turn-off
- Ultrasonic layer
- Automatic solder bar feeding system with safety solder level alarm system (6 solder bars capability)
- Receipt driven changing spraying width and wave heights automatically
- Heavy duty PCB wire support




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