



PLC One Cooling Zone 28kw Smt Reflow Oven Machine

Our Product Introduction

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Basic Information

- Place of Origin: CHINA
- Brand Name: ETON
- Certification: CE,SIRA,CCC,ISO
- Model Number: ET-R6
- Minimum Order Quantity: 1 set
- Price: EXW USD 5600/sets
- Packaging Details: Our packing is made of wooden box with vacuum package, and we promise to deliver the goods within four weeks after payment.
- Delivery Time: 30 days after deposit
- Payment Terms: T/T
- Supply Ability: 50 sets per month



Product Specification

- Name: Reflow Soldering Oven
- Heating Zone: UP 6/BOTTOM6
- Cooling Zone: One Zone
- Conveyor Speed: 0-1500mm/min
- Dimensions: 3600×1000×1490mm
- Net Weight: 700kgs
- Highlight: **28kw Reflow Oven Machine, PLC Reflow Oven Machine**

Product Description

Manufacturer High Stability reflow oven machine reflow oven smt

Details

Reflow oven/soldering is one of the three main processes in SMT mount process. Reflow soldering is mainly used to weld the installed components of the circuit board, by heating the solder paste to melt the solder paste so that the patch components and the PCB pad fusion welding together, and then through the reflow of the cooling solder paste to cool the element and the pad curing together.

Principle

A. When the PCB enters the heating zone, the solvent and gas in the solder paste will evaporate. At the same time, the flux in the solder paste will moisten the pads, component ends and pins.

B. when CB enters the insulation zone, make PCB and components get fully preheated, in case PCB suddenly enters the welding high temperature zone and damages PCB and components.

C. When the PCB enters the welding zone, the temperature rises rapidly to make the solder paste melt, and the liquid solder wets, diffuses, diffuses or reflows the solder joints on the pads, component ends and pins of the PCB.

D. CB enters the cooling zone to solidify the solder joint;The reflow soldering is completed.

Specification

Model	ET-R6	
Heating System	Number of heating zones	UP 6/BOTTOM6
	Number of cooling zones	1
	Length of heating zones	2500MM
	Heating mode	hot air
	Cooling Mode	Force air
Conveyor System	Max. Width of PCB	350mm
	Mesh belt width	400mm
	Transmission Direction	L→R(or R→L)
	Transmission Net Height	880±20mm
	Transmission type	Mesh and chain
	Range of rail width	0-300mm
	Conveyor speed	0-1500mm/min
	Auto/manual Lubrication	standard
	Upper hood method	Manual(option:auto)
	Fixed rail side	Front rail fixed(option: rear rail fixed)
Control system	Components high	Top and bottom 25mm
	Power supply	5line 3phase 380V 50/60Hz
	Total power	28kw
	Starting power	28kw
	Normal power consumption	4KW
	Warming time	About 20 mins
	Temp. setting range	Room temperature-300
	Temp. control method	PLC & PC
	Temp. control precision	±1
	Temp. deviation on PCB	±2
	Data storage	Process Data and status storage(80GB)
	Nozzle plate	Aluminum Alloy Plate
	Abnormal Alarm	Abnormal temperature(extra-high/extra-low temp.)
General	Board dropped alarm	Tower light:Yellow-warming, Green-normal, Red-abnormal
	Dimension(L*W*H)	3600×1000×1490mm
	Weight	700KG
	Color	Computer gray

Features :

No.1 The unique advanced long life heating system

The heating system adopt the Swedish nickel heater with efficiency and energy-saving. The peak wave length of the radiation power is 4UM with curved surface reflector to the rising temperature speed, improve the thermal efficiency. And the special forced-air circulation system make PCB and the component heated uniform and eliminate the "shadow effect" completely .

Using special high temperature resistant protection system in heating preservation system and special iron in furnace .

Using imported Taiwan SanYue long axis of high temperature fan motor and W shaped heat pipe, Model design, no noise, shockless and easy for maintenance .

Whole oven are porous aluminum transfer the hot air to guarantee the hot air evenly to the PCB .the whole top oven fixtures can open completely so that easy to clean the oven inside .

No.2 Smooth and reliable transmission system

The transmission system use STK adjustable speed motor imported from Taiwan matched with the 1:150 turbine reducer can running smooth ,speed range can be arrived at 0-1500mm/min.

Independent wheel structure support and match stainless belt to make the running smoothly and the speed precision is up to ± 20 mm/min .

Special stainless belt: durable and wear-resistant, not easy to deform and long life.

No.3 Stable and reliable electrical control system

It adopts imported thermostat control which owns fuzzy control and PID intelligent precision control system.It can fast response the changes in external heat and ensure more temperature balanced by PID intelligent operation and automatic control heating .

Using thermocouple imported from Taiwan by each temperature zone, it can fast and sensitive induct the changes in each temperature zone, transfer and control timely, compensate the temperature balance in each zone .

Special SSR solid state relay matched with dedicated radiator improve the heat efficiency greatly and prolong the lifetime effectively. No contact output and fuzzy control function by thermostat, can monitoring the changes of outside temperature and calorific value, controlling the heating device by minimum pulse, ensuring the high precision of the temperature control & the uniform temperature in internal and the length ,direction, temperature distribution, all of these meet IPC standards .

Power is abundant, heat up fast, it's only need 20 minutes from room temperature to constant temperature.

Failure diagnosis and sound light alarm.

Delay shutdown production function, uniform cooling after the shutdown: prevent component deformation.

Logistics and delivery

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FAQ

1.Choose which mode of transportation?

Our modes of transportation are flexible, including water, land and air transportation.

2.Do you have oversea after sale service?

We can offer technical support abroad. If you have any technical problem, our engineers will support you promptly.

3.What is the delivery date?

We will deliver the goods after 30 days' deposit.

4. Is this machine easy to operate?

Of course, the operating system supports Chinese-English interface display, easy to understand and operate.

5.Why choose us?

Leading SMT Supplier in China;In the LED industry market share is in an absolute leading position.



Shenzhen Eton Automation Equipment Co., Ltd.



0086 13670197725 (Whatsapp/Wechat)



linda@eton-mounter.com



smtmountingmachine.com

HENGFENG INDUSTRIAL AREA,ZHOUSHI ROAD NO. 739,HEZHOU COMMUNITY,HANGCHENG STREET,BAOAN,SHENZHEN,CHINA