



computer smt reflow soldering 8zones lead free reflow oven smt reflow machine

Our Product Introduction

Basic Information

- Place of Origin: CHINA
- Brand Name: ETON
- Certification: CE,SIRA,CCC,ISO
- Model Number: ET-R8
- Minimum Order Quantity: 1 set
- Price: EXW USD17999/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
- Dimensions: 3600×1000×1490mm
- Heating Zone: UP 8/BOTTOM8
- Cooling Zone: One Zone
- Voltage: 220V/110V
- Conveyor Speed: 0-1500mm/min
- Net Weight: 1000kgs
- Type: Reflow Solder,SMT Reflow Oven Profiler Machine
- Certification: CE ISO CCC IPC
- Usage: PCB Soldering,Welding,automatic Conveying Convection Reflow Oven For SMT PCBA Production,reflow Soldering,led Soldering



Product Description

lead free reflow oven/pcb reflow oven/reflow soldering oven/smt reflow soldering oven/vitronics reflow oven infrared reflow oven in smt assembly machine smt soldering machine

Principle of led reflow oven

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

Specification of led reflow oven

Model	ET-R8
Number of heating zones	UP 8/BOTTOM 8
Number of cooling zones	Up1/bottom1
Length of heating zones	3000MM
Heating mode	hot air
Cooling Mode	Force air
Mesh belt width	400mm
Dimension(L*W*H)	4600×1200×1490mm
Weight	900KG
Warming time	About 20 mins

Features of led reflow oven

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.

Pictures of led reflow oven



SMT line solution from ETON

In SMT Line, there are automatic stencil printer machine, pick and place machine, reflow oven machine, loader and un-loader machine. Different SMT line design will be little different. Some factory will using one automatic stencil printer machine for different SMT line. ETON will provide the professional suggestion for the line design.



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Services ETON

Professional solutions: Provide professional SMT Full line solutions

Free Warranty: One-year warranty factory service.
Free Installation: On-site free installation to ensure smooth production.
Free Technical Training: Professional training of operating and maintenance.
Free Technical Support: 7 * 24 technical online support.
Free Software Upgrade: Offer free software upgrade whole lifetime

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