



3160MM SMD PCBA SMT Reflow Oven machine 8 Zones In Smt Line

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 USD 3000~7000/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: Top 5 / Bottom 5
- Cooling Zone: One Zone
- Conveyor Speed: 0-1500mm/min
- Dimensions: L3000*W660*H1220mm
- Net Weight: 450kgs
- Zone: 8 Zones
- PCB Size: 50 350mm
- Highlight: **PCBA SMT Reflow Oven,**
SMD SMT Reflow Oven,
8 Zones smt reflow soldering oven

Product Description

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Details of Reflow oven

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.

Unique advanced heating system with long life

1. Using the world-leading small circulation technology, the whole furnace is divided into independent communities. The temperature curve of PCB welding is very high, which is very suitable for the welding of components with small space window in lead-free process.
2. Independent upper and lower heating modules, independent hot air circulation, double welding zone or three welding zone setting.
3. Modular design is adopted in each temperature zone, high temperature long axis hot air motor and high thermal nickel chromium heating wire. Take about 20 minutes from room temperature to constant temperature.

Reliable and smooth transmission system

1. Symmetrical double groove guide rail, high temperature resistance, no deformation, small heat absorption. Standard chain, network chain synchronous iso-speed parallel transportation, dual rail transportation system or central support system is optional.
2. Width adjustment adopts three stages of synchronous width adjustment structure, both ends are equipped with guide rail thermal expansion automatic extension device, effectively ensure that the guide rail parallel, prevent the drop of the plate, card plate, free of cleaning, easy to adjust.
3. Computer-controlled automatic refueling system, can automatically refueling according to the transportation speed and machine state, the flow can be adjusted.
4. Automatic width adjusting system adopts closed-loop PID control, can be automatically adjusted to the required width according to the computer input parameters, accuracy up to 0.2mm.
5. UPS power protection function, to ensure that PCB can output normally after sudden power failure, not damaged.

Principle of reflow oven

- 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

<u>Machine technical parameters</u>	
Number of heating temperature zones	The top 8 small cycle heating area, the bottom 8 small cycle heating area.
Heating mode	Plane winding type heating on both sides of the generator, pressurized air duct, point to point frequency conversion motor heat exchange, frequency conversion motor drive
Length of heating zone	3160MM
Number of cooling zones	2+1 (natural air cooling system)
Length of cooling zone	800MM
Transmission belt width	500MM
Widening the range of chain guide rail	50 250mm
PCB size	50 350mm
PCB limits height	25mm
Transmission direction	L→R (R→L) is optional
Transmittal mode	Mesh belt + chain + guide
Conveyance belt height	900±20MM
PCB transport speed	0 1.8m/min
PCB temperature differential deviation	±2
Temperature control accuracy	±1-2 (Static state)
Temperature control range	Room temperature ~ 300 can be set
Applicable solder type	Lead-free solder/Have lead solder
The temperature control mode	PID+SSR
Type of component used	CSP, BGA, μBGA, 0201CHIP and other single/double panel
Power outage protection	UPS and Delayed Shutdowns
Power supply	3Φ,380V,50HZ
Initial power	68KW
Operating power	16KW
Heating up time	Approx.20min
Dimensions	L4800*1200*1450MM
Net weight	1500kg
Temperature curve system	Three-channel on-line curve test, intelligent analysis software, display temperature and speed.
Body color	Whole computer white



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.



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