



High Speed SMT And Reflow Oven Line High Stability SMD Reflow Oven For BGA Repair Best Selling

Our Product Introduction

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Basic Information

- Place of Origin: CHINA
- Brand Name: ETON
- Certification: CE,SIRA,CCC,ISO
- Model Number: ET-R8650M
- Minimum Order Quantity: 1 set
- Price: EXW USD 13000~27000/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

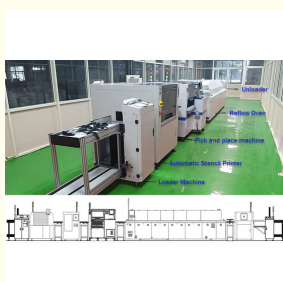


Product Specification

- Name: Reflow Soldering Oven
- Dimensions: L4800*1350*1450MM
- Net Weight: 1600kg
- PCB Size: 50 650mm
- Certification: ISO,CE ISO CCC IPC,UL,ROHS CE ISO
- Voltage: 380V,380V/3 Phase
- Usage: PCB Soldering,Welding,automatic Conveying Convection Reflow Oven For SMT PCBA Production,reflow Soldering,led Soldering
- Type: Reflow Solder,SMT Reflow Oven Profiler Machine
- Rated Duty Cycle: 100%
- Current: 50/60Mhz
- Warranty: 1 Year
- Temperature Range: Room Temperature ~ 300
- Heating Zones: 8 Zones



More Images



Product Description

Lead Free reflow oven ETON Reflow Oven for SMT line led lighting production solution

Details of Reflow oven

| <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 | 650MM |
| 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*1350*1450MM |
| Net weight | 1600kg |
| Temperature curve system | Three-channel on-line curve test, intelligent analysis software, display temperature and speed. |
| Body color | Whole computer white |

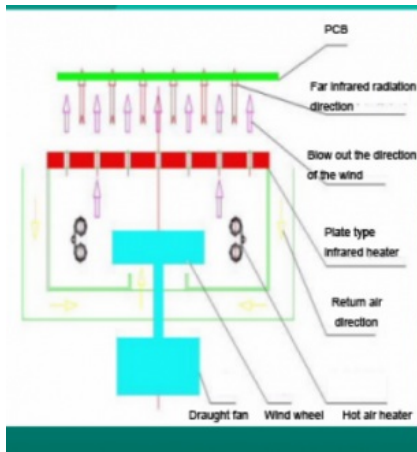
Reflow Oven--Machine Details

| <u>Body part</u> | |
|---------------------------------|---|
| Airframe structure | The latest streamlined housing design, using industrial flat through frame, 2mm thick steel plate Bent to make the shell, the body has six universal wheels at the bottom, and eight foot cups Starting positioning for placement (adjustable body level and height); |
| Front and back door structure | All are fully enclosed magnet handclasp removable structure to ensure the maximum operation and maintenance space |
| Open mode of upper furnace body | Open mode of upper furnace body, double cylinder jacking, double mechanical rod self-locking function, safe and reliable. It is divided into two sections: heating area and cooling area. |
| The tank structure | Double layer stainless steel air plate and stainless steel air nozzle. The inner tank is filled with American Cisil rock (120KG/ m3) to enhance the protection effect. |
| Top cover opening mode | Double cylinder jacking |
| Surface treatment | Antistatic spraying high temperature oven baking, beautiful and durable. |
| <u>The heating part</u> | |

| | |
|---|---|
| Number of heating zones | The upper eight temperature zones, the lower eight temperature zones independent temperature control, can be opened separately temperature zones. The heating can be divided to reduce the starting power. |
| Adjacent temperature zone can pull temperature difference | 100 , can correspond to the highest standard of lead-free process. |
| Heating up time | Starting time from room temperature to temperature equilibrium: about 20min |
| Heat up the order | Heating from the middle to both sides one by one can save one third of energy or time. Compared with heating from beginning to end one by one, there is a large heat loss due to exhaust vents at both ends |
| Limit the height of components on the PCB | 25MM |
| Length of heating ZONE | 3160MM |
| Temperature adjustment range | 0 300 |
| Temperature control precision of heating zone | ±1-2 (static) |
| Transverse temperature deviation of the substrate | ±2 |
| ★ Temperature climbing ability | 3 /S |
| ★ Air duct structure | Adopt the world's leading small circulation heating mode, the upper and lower independent hot air small circulation system, temperature uniformity, high thermal compensation efficiency |
| Temperature zone independent shutdown function | Each temperature zone is separately controlled by the computer PID, the user can selectively heat the temperature zone, which is conducive to the formation of temperature difference between the upper and lower PCB board |
| No load to full load (or reverse) thermal equilibrium recovery time | ≤0.5 seconds, main factors: coil type heater, rod type or plate type heater It takes more than 60 seconds |
| Hot air motor | High quality high temperature resistant motor, good structure heat dissipation, direct connection impeller, speed motor 2800RPM, can provide sufficient hot air flow |
| Heating components | The heating wire adopts Taiwan Taichan brand, the heating wire is completely naked in the air and the air flow in the air duct fully contact, producing the best heat exchange to reduce the thermal inertia impact. |

reflow oven machine





- The porous plate heater is used as the source of infrared heater, and the welding pad on the reflux surface is heated directly by using the penetration of far infrared light. Thus, the problem of insufficient heating capacity in the lower part of the traditional full hot blast stove is avoided.
- But full infrared heating is a little uneven, easy to cause shadows, shadowing effect, local overheating and other shortcomings. Compound heating, mainly infrared, supplemented by hot air convection, to improve the heating capacity, and can be uniform heating characteristics.
- It has been proved by practice that the lower infrared heating has the special function of automatic correction of the placement deviation, which is of positive significance to improve the welding yield of SMT. Lower infrared heating also has a good effect on increasing the pad temperature of large components, such as BGA welding.

Application: SMT line Solution: LED Light production Line LED LIGHTING PRODUCTION LINE

Our products:

SMT pick and place machine, automatic/semi-auto stencil printers machine, reflow oven loader/unloader machine, smt conveyor, AOI/SPI, Transform conveyor, etc



ETON NEW MACHINES



T9-2S



YT-202S



YT-101S



YT-202



YT-402



Application



Services of ETON Company

1. Professional sales manager of LED SMT machine, provide professional suggestion and service to you !
2. 24 hours online service and technical support, solve your questions quickly!
3. Sound company organization and working system, guarantee you a fast delivery!
4. Design and provide the whole SMT processing lines for you based on your budget , workshop covering area with best prices!
5. Maintenance Period: 1 year.(whole machine, any parts need to be repaired or replaced will be free)
Upgrade the software will be free
6. Visit customer regularly and gather information.



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Full SMT line Solution Expert



SMT Machines
Pick and place machine
Stencil Printer
Reflow oven
conveyor
SPI/AOI
Loader/Unloader machine



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