



## SMT 450 Mesh Belt Reflow Oven Automatic High Efficiency Equipment

### Our Product Introduction

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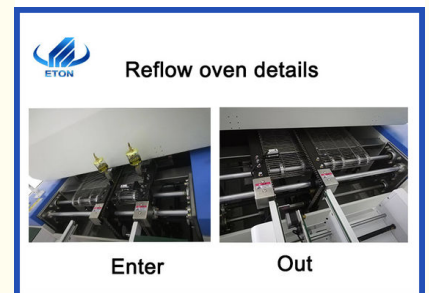
#### Basic Information

- Place of Origin: China
- Brand Name: ETON
- Certification: CE,CCC,SIRA,ISO
- Model Number: ET-R8
- Minimum Order Quantity: 1 set
- Packaging Details: Packing in film package and foam cotton, and covering vacuum bag within sturdy wooden boxes.
- Delivery Time: 30 working days
- Payment Terms: T/T
- Supply Ability: 50 sets per month

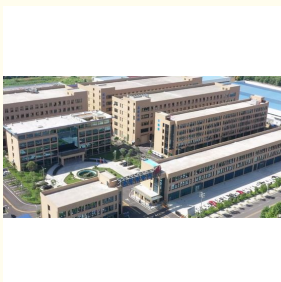


#### Product Specification

- Product Model: ET-R8
- Dimension: 5000mm\*1000mm\*1500mm
- Type: Automatic
- Temperature Control Method: PID Control + SSR Drive
- Total Weight: 1200kg
- Heating Time: Around 15 Mins
- Power: 380V 50/60Hz Three-phase Five-wire  
AC:380V 50Hz
- Working Power: 7kw
- Highlight: Automatic SMT Reflow Oven,  
High Efficiency SMT Reflow Oven,  
450 mesh belt SMT Reflow Oven



#### More Images



## Product Description

### SMT 450 mesh belt reflow oven automatic high efficiency equipment

#### Description

Reflow soldering technology is not new in the field of electronic manufacturing. The components on various boards used in our computers are soldered to the circuit board through this process. There is a heating circuit inside this device, which uses air or nitrogen. After heating to a high enough temperature, it is blown to the circuit board on which the components have been pasted, so that the solder on both sides of the components melts and bonds with the main board. The advantage of this process is that the temperature is easy to control, oxidation can be avoided during the welding process, and the manufacturing cost is easier to control.

#### Features

It adopts imported high-speed air-carrying motor direct drive for thermal cycle, low noise, low vibration and high thermal cycle efficiency.

It adopts Panasonic PLC industrial control products to control the upper and lower computer, which has first-class stability.

It has a delay switch protection function to prevent the transmission components from deforming due to uneven cooling.

It has a power-off protection function to ensure the normal output of the PCB without damage after power-off.

With over-temperature sound and light alarm and emergency braking system.

All zones are heated separately up and down, independent hot air circulation, independent temperature control, and the temperature control accuracy is  $\pm 1$ .

Modular heating structure can effectively prevent the influence of airflow in the temperature range, ensure that the components are evenly heated, and the lateral temperature deviation is  $< \pm 2$ .

The upper furnace body is opened by pneumatic jacking, which is safe, reliable and convenient for furnace cleaning.

The heat source of the special durable nickel heating wire, abundant power, rapid heating, less than 20 minutes from room temperature to constant temperature.

Simplified and traditional Chinese MMI operation interface and artificial intelligence software control greatly facilitate the user's use.

It has a complete online temperature test curve and analysis, storage, recall and printing functions.

Dedicated temperature acquisition module, high accuracy and fast speed, with cold junction compensation function.

Temperature collection adopts RS-485 interface, which is convenient for remote device temperature monitoring.

With timing automatic shutdown function.

Host computer control, computer can be cut off, independent control, computer operation, convenient man-machine dialogue, clear interface, intuitive image, can switch between Chinese and English at any time, and various parameter settings realize accurate and fast numerical input.

Using PLC control, the temperature control is stable and accurate, and the temperature of each zone is individually controlled.

The motor is imported, high-quality, and high-temperature-resistant, with good structure and good heat dissipation, to ensure its service life and reliability. The direct connection mode connects the wind wheel with a speed of up to 2800rpm to provide sufficient hot air flow.

#### Technical Parameter

Product model	ET-R8	
Heating system	NO. of heating zone	Upper 8 hot air heating, lower 8 hot air heating
	Length of heating zone	3000mm
	heating method	Full hot air
Delivery system	PCB maximum width	450mm mesh belt, no lead rail
	Transport direction	left-right, right to left(option)
	Conveyor belt height	Mesh belt 880 $\pm$ 20mm
	Delivery method	Mesh belt drive + rail (optional)
Control System	Conveyor speed	0-2000mm/min
	power	380V 50/60Hz Three-phase five-wire AC:380V 50Hz
	Starting power	28KW
	Working power	7KW
	Heating time	Around 15 mins
	Temperature control range	Room temperature 350
	Temperature control method	PID control + SSR drive
	Temperature control accuracy	$\pm 1$
Machine system	Abnormal alarm	Abnormal temperature alarm
	Machine dimensions(L*W*H)	5000mm*1000mm*1500mm
	Machine weight	1200kg

#### Machine application

## Applications



### Certificates

As an experienced manufacturer in SMT machine, we obtained a number of intellectual property technologies, including 9 invention patents, 112 practical patents, 12 software copyrights, with our won R&D department for production and inspection. And also earned the oversea certificates as CE, CCC, SIRA, etc.

## Our Certification

# ETON

9

Invention Patents

12

Software Patents

112

Practical Patents

Shenzhen high-tech enterprise

China high-tech enterprise

The 4th China Innovation Award

Shenzhen TOP Brand

2015 LED Tech Innovation Award

Double soft enterprise

### Market

Our products had exported to more than 30 countries and regions, including South Korea, India, Vietnam, Tunisia, Egypt, Turkey, Russia, Brazil etc. And here are some of our big customers:

SURYA, POLYCAB, FIEM, RK, GK, TECHNO LED, CALCOM, ACK, KENDAL, RangDong, UNISTAR, and so on.





**Customer group photo and customer factory**



#### Related machine

We can provide a whole SMT production line, led light production line:

1. Pick and place machine
2. Loader machine
3. Conveyor machine
4. Stencil printer machine
5. Reflow oven machine
6. Unloader machine
7. Solder paste mixer
8. Roll to roll led strip light assembly machine



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