



Shenzhen Eton Automation Equipment Co., Ltd.  
smtmountingmachine.com

## LED Production Line SMT Reflow Oven With Intelligent Diagnosis System

Our Product Introduction

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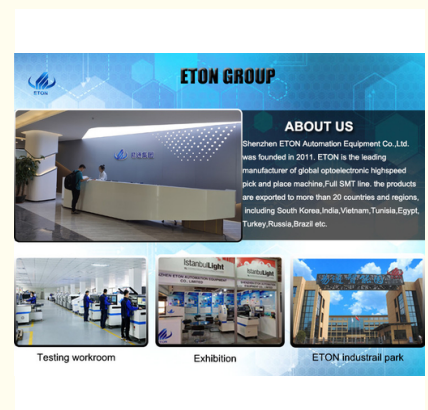
### Basic Information

- Place of Origin: CHINA
- Brand Name: ETON
- Certification: CE, CCC, SIRA
- Model Number: ET-R12
- Minimum Order Quantity: 1 set
- Packaging Details: vacuum adsorption, wooden packing
- Delivery Time: 30 days after receive the down-payment
- Payment Terms: T/T
- Supply Ability: 50 sets per month



### Product Specification

- Warranty: 1 Year
- Name: Reflow Oven
- Condition: New, 100% Original, Brand-new
- Type: Automatic
- Usage: Circuit Board Assembly, SMT Mounting Machine, SMD, LED
- Brand: ETON
- Highlight: SMT Reflow Oven with Intelligent Diagnosis, LED Production Line Reflow Oven



### More Images



## Product Description

### Description of Reflow Oven

#### Features:

1. Windows XP system with English and Chinese is easy to learn how to operate and can be change any time.
2. The digital control system adopted with PLC and Modular circuit to stabilized and accurate of repetitive precision.
3. Intelligent diagnosis system (IDS) has the function of trouble remind, alarm, list-out and saving data.
4. Temperature and blower speed can be controlled independently, to meet the high-precision requirements.
5. Effective heating zone length, the heat conduction in full uniform distribution, greatly improving the heating efficiency.
6. Forced cooling system with efficient cooling speed suits all different kinds of lead-free soldering paste.
7. PLC and PID closed loop control to achieve high precision temperature control and repeatable profiles.
8. Standard 8 couples of up and down zones with patented air management system to make hot air convection more efficient and faster thermal compensation.
9. The rail is dealt with hardened process to make it more stability.
10. The rail width can be adjusted by manual.(option:automatically by SPG gear motor).
11. Chain Rails will be lubricated by central oil reservoir device ,controlled by computer.
12. Strong software system can save all settings and can print all the data and profiles through PC.
13. With flux collecting system to keep inside zones clean and ensures more environmental emission.
14. Nitrogen with machine is option.

#### Main Parameter

Model	ET-R12	
Heating System	Number of heating zones	UP 12/BOTTOM 12
	Number of cooling zones	2
	Length of heating zones	4600mm
	Heating mode	hot air
	Cooling Mode	Air Oven:Forced air; Nitrogen Oven: Water Chiller
	Exhaust Volume	10m³/min * 2 exhausts
Conveyor System	Max. Width of PCB	450mm
	Mesh belt width	500mm
	Transmission Direction	L→R(or R→L)
	Transmission Net Height	900±20mm
	Transmission type	Mesh and chain
	Range of rail width	0-450mm
	Conveyor speed	0-2000mm/min
	Auto/manual Lubrication	standard
	Fixed rail side	Front rail fixed(option: rear rail fixed)
	Components high	Top and bottom 25mm
Control system	Power supply	5 line 3 phase 380V 50/60Hz
	Total power	60kw
	Starting power	58kw
	Normal power consumption	12KW
	Warming time	About 20 mins
	Temp. setting range	Room temperature-300
	Temp. control method	PID close loop control & SSR driving
	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 temp. (extra-high/extra-low temp.)
	Board dropped alarm	Tower light:Yellow-warming, Green-normal, Red-abnormal
General	Dimension(L*W*H)	6000×1400×1550mm
	Weight	2800KG
	Color	Computer gray

#### ET-R12 Reflow Oven Picture

## Introduction of Our company

Since its establishment in 2011, ETON has been committed to the development and production of SMT placement machines.

Strong reach and develop technology team, support machine upgrade continuously, support client strong technical support.

Rich experience in SMT Industry Line. ETON set up more than 10 years, we are leading manufacturer of SMT machine in China.

Strong production capacity, ETON have more than 50000 square meter Industrial park in Jiangxi Province, machine capacity more than 50 units/month.

Good and professional service. Provide engineer Door-to-door service, support video online training, video training.

share,free replaced machine core part during warranty. And also we could provide professional SMT line solution.

## Our advantages

Rich experience in SMT Industry Line. ETON set up more than 10 years, we are leading manufacturer of SMT machine in China.

Our machines are of better quality, more accurate and faster to mount. We also have our own exclusive patented technology such as dual motor electronic Feeder feeding system, flight identification visual alignment, group picking and group placing and so on.

## Certification:



We got 9 invention patents, 112 practical patents, 12 software patents.

We are high-tech enterprise with CE, SIRA, CCC, ISO awarded as "Well-know brand" and many technology patents, and have rich experience (more than 8 years) in LED light production line program.

## Our after-sales service of Pick and Place Machine

Provide latest information about technology and equipment

We give professional technology suggestion with our clients. And share the updates news to our clients.

Software and hardware lifetime maintenance

Free upgrade software, software is Reach and develop by ETON, so we support whole lifetime free upgrade updates.

Maintenance period 1 year

One year warranty, during warranty, any parts need to be repaired and replaced will be free.

Visit customers regularly and gather information

Visit clients regularly. We attend different exhibition in different cities every year, at the same time, we will visit local clients and support our service and collect and feedback customer suggestions in time.

## Basic process elements of SMT:

Screen Printing (or dispensing) -- Assembly -- Solidification -- reflow soldering -- cleaning --

#### Detection -- Repair Screen

Printing: Its role is to solder paste or paste paste paste to the solder pad of the PCB, in preparation for the welding of components.

Dispensing: It is the glue drops to the fixed position of the PCB, its main role is to fix the components to the PCB board.

Mount: The function is to accurately mount the surface mount components to the fixed position of the PCB.

Curing: The function is to melt the SMT adhesive so that the SMT components are firmly bonded to the PCB board.

Reflow: its role is to melt the solder paste, so that the surface assembly components and PCB board firmly bonded together.

clean: The role is to assemble the PCB board above the harmful welding residues such as flux to remove.

testing: Its role is the assembly of a good PCB board for Welding Quality and assembly quality testing.

Repair: Its role is to detect the failure of the PCB board for Rework. The tools used are soldering iron, repair station and so on. In any position on the production line.

#### FAQ

Q: How is the training?

A: After purchasing our products, you can send your engineers to study in our factory, or we can send our engineers to your factory to train your staff for you .

Q: Do you have a product certification certificate?

A: Our products have CCC, CE, SRIA certification.

Q: How about the after-sale service? How about the warranty?

A: We have a team of professional engineers to solve your problems. Any parts that require repair and replacement are free of charge during the warranty period. We can also provide you with training and on-site installation, and support remote control of the machine, the machine uses Chinese and English interface, very easy to operate.

#### Contact David

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