



## Surface Mount System Pick And Place Machine Bulb IC Household Appliance

### Our Product Introduction

for more products please visit us on [smtmountingmachine.com](http://smtmountingmachine.com)

#### Basic Information

- Place of Origin: CHINA
- Brand Name: ETON
- Certification: CCC CE SIRA
- Model Number: RT-1
- Minimum Order Quantity: 1
- Packaging Details: wooden case
- Delivery Time: 30 days after pay
- Payment Terms: L/C, T/T
- Supply Ability: 50 set/month



#### Product Specification

- Name: Pick And Place Machine/bulb Machine
- Module: RT-1
- Components Size: 0402-20 Mm
- Capacity: 40000-45000 Cph
- Warranty: One Year
- Package: Wooden Box
- Highlight: **high speed led mounting machine, smt assembly machine**

## Product Description

### RT-1 New machine for more smt products

#### What is pick and place machine?

Placement machine: also known as "mounter", "Surface Mount System" (Surface Mount System), in the production line, it is configured after the glue machine or screen printing machine, the surface mount is carried out by moving the placement head. A device in which components are placed accurately on PCB pads. Divided into manual and fully automatic. The automatic placement machine is a device used to realize high-speed and high-precision automatic placement of components. It is the most critical and complex device in the entire SMT production. The placement machine is the main equipment in the SMT production line. The placement machine has developed from an early low-speed mechanical placement machine to a high-speed optical centering placement machine, and has developed into a multifunctional, flexible connection modular.

#### RT-1 Pick and place machine

RT-1 is the new module of ETON brand pick and place machine. It is suitable for many kind of products. Like the bulb, DOB, lens, panel light, tube, power driver, display, etc. It is so multifunctional and flexible!

Besides, it can mounting 0402 to 20 mm series components, The max pcb size can be 1200\*350 mm, the min size is 50\*50 mm.

The main superiority is the low price with high capacity. The Theoretical capacity can be reach 40000-45000 CPH.

Why it can be so fast, because there are 10 heads and 32 feeder stations. Meet most of the mounting requirements of the market.

#### SMT Production line

Besides pick and place machine, there are many kind of machines in SMT line for different manufacturing step.

##### Dispensing:

Because most of the circuit boards currently used are double-sided patches, in order to prevent the components on the input surface from being melted and lost due to the solder paste again during the second reflow, a dispensing machine is installed on the input surface, which drops the glue. At the fixed position of the PCB, its main function is to fix the components to the PCB. The equipment used is a dispenser, located at the forefront of the SMT production line or behind the inspection equipment. Sometimes because customers require dispensing on the output side, many small factories now do not use dispensers. If the input components are large, manual dispensing is used.

##### Mounting:

Its function is to accurately install surface-mounted components to a fixed position on the PCB. The equipment used is a placement machine, located behind the printing machine in the SMT production line.

##### Reflow soldering:

Its function is to melt the solder paste, so that the surface assembled components and the PCB board are firmly bonded together. The equipment used is a reflow soldering furnace, located behind the placement machine in the SMT production line.

##### Cleaning:

Its function is to remove the welding residues such as flux that are harmful to human body on the assembled PCB board. The equipment used is a washing machine, and the location may not be fixed, either online or offline.

##### Inspection:

Its role is to inspect the soldering quality and assembly quality of the assembled PCB board. The equipment used is a magnifying glass, microscope, online tester (ICT), flying probe tester, automatic optical inspection (AOI), X-RAY inspection system, function tester, etc. The position can be placed in a suitable place on the production line according to the needs of inspection.

##### Rework:

Its function is to rework the PCB board that detects the failure. The tools used are soldering iron, rework station, etc. Configured anywhere in the production line.

#### What should you do for your smt line?

For so many machine and step, maybe you feel confused now. ETON company is the manufacturer of smt machines, provide the solution of smt production for you. We can tell you what kind of machine you need for your product, what should you need to prepare for produce, what is the most import in the smt line.

If you want to get more information, must contact us !

Joy whatsapp/wechat/skype: +8613590151025

Email: [et83@eton-mounter.com](mailto:et83@eton-mounter.com) / [joy@eton-mounter.com](mailto:joy@eton-mounter.com)



Shenzhen Eton Automation Equipment Co., Ltd.



0086 13670197725 (Whatsapp/Wechat)



[linda@eton-mounter.com](mailto:linda@eton-mounter.com)



[smtmountingmachine.com](http://smtmountingmachine.com)

HENGFENG INDUSTRIAL AREA,ZHOUSHI ROAD NO. 739,HEZHOU COMMUNITY,HANGCHENG  
STREET,BAOAN,SHENZHEN,CHINA