



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

## LED Lighting SMT Mounting Machine Mount Components On PCB Board 250000CPH Chip Mounter

### 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: CE, CCC, SIRA
- Model Number: HT-F9
- 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
- Applicable Components: 0402
- Condition: 100% Original, Brand-new
- Name: SMT Pick And Place Machine
- Application: SMT Production Line
- Mounting Speed: 250000 CPH
- Type: Automatic
- Feeders: 68pcs
- Highlight: 68pcs Feeders Chip Mounter, LED PCB Board SMT Mounting Machine, 250000CPH chip mounter



#### More Images



## Product Description

### LED lighting SMT Mounting Machine mount components on PCB board 250000CPH chip mounter

#### The main parameter

Length	2700mm
Width	2300mm
Height	1550mm
Total weight	1700kg
PCB Length width	Max: 1200*330mm Min: 100*100mm
PCB Thickness	0.5-5mm
PCB clamping	Adjustable pressure pneumatic
Transmission speed	>500mm/sec
Conveyor transmission	Max length: 1200mm
Repeating Mounting precision	±0.02mm
Component space	0.5mm
Component height	≤5mm
Transmission direction	Single (left→ right or right→ left)
No. Of feeders station	68PCS
No. Of head	68PCS
Operating environment	23 ±3
Power consumption	6KW
Transmission mode	Online drive
Positioning way	Optical
X, Y, Z Axis drive way	High-end magnetic linear motor and serve motor
Feeding way	Electric feeder with double motor


#### ETON Advantages

**Efficient team:** The best suggestions of full SMT lineequipment according to your budget and site.


**Competitive price:** We are directly manufacture of the ETON pick and place machine, so we can give you the best competitive price with high quality materials.

**High quality:** We have strictly quality control during allproduction from raw materials to the finished machine.

**High efficiency:** Allmachines parts are made byourselves, so it" s convenient to control the timeschedule and quality timely.




## ETON GROUP




### ABOUT US


Shenzhen ETON Automation Equipment Co.,Ltd. was founded in 2011. ETON is the leading manufacturer of global optoelectronic highspeed pick and place machine,Full SMT line. the products are exported to more than 20 countries and regions, including South Korea,India,Vietnam,Tunisia,Egypt, Turkey,Russia,Brazil etc.



Testing workroom



Exhibition



ETON industrail park

#### Service

Since its establishment in 2011, ETON has been committed to the development and production of SMT placement machines and peripheral equipment in 2007.

\* 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.

## Development trend of LED placement machine

### LED placement machine is developing towards higher precision

The placement machine accuracy refers to the mechanical accuracy of the placement machine's X, Y axis navigation movement and the Z axis rotation accuracy. The placement machine adopts precise mechatronics technology to control the mechanical movement to grab the components from the feeder and place them on the circuit board precisely and reliably after being centered by the calibration mechanism. In order to produce products with higher performance, one of the first major challenges is to improve the placement accuracy of the placement machine as much as possible.

In common LED packaging technology, the connection between chip electrodes and support pins is generally achieved through interconnection with gold wires, but gold wire breakage has always been one of the common causes of failure. Abnormal gold wires in LED lighting applications are the culprit for common problems such as dead lights and large light decay. The dead light can be roughly divided into two situations, one is not bright at all, the other is not bright when it is hot, it is bright when it is cold, or flickering. The main reason for not lighting up is that the electrical circuit is open, and the reason for flickering is due to weak soldering or poor contact of the gold wire.

With the introduction of flip-chip soldering technology, the connection between the two can be connected through more stable metal bump solder balls, which saves costs and greatly improves reliability and heat dissipation. LED has the advantages of long life and other advantages. Compared with the traditional packaging technology using gold wire interconnection, the flip-chip welding technology can give full play to the advantages of LED. LED flip-chip welding technology realizes the single-chip and multi-chip modules. Die-bonding glue package has many advantages such as high brightness, high light efficiency, high reliability, low thermal resistance, and good color consistency.

LED gold-free packaging is commonly known as "no packaging" and "free packaging" in the industry. This process uses the direct SMT bonding of the flip chip and the circuit board, omits the SMD packaging process, and directly attaches the flip chip to the circuit board or the carrier by the SMT method, because the chip area is much smaller than the SMD device, so This process requires very sophisticated design.

In the future, the LED placement machine will be directly applied to the flip-chip non-encapsulation process on the basis of improving the accuracy. This will be a small revolution in the LED process, which can save a lot of packaging costs, and greatly increase the production cost and shorten the production cycle. It makes LED products really enter the general lighting market with high performance and low price. Applying the LED placement machine directly to the LED manufacturing process has the potential to become a future technology trend.

### Contact David

Whatsapp/wechat/tel: **+86 13827425982 / 0086 13827425982**

E-mail: **david@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