



## high speed pick and place mounte for led light,smt pick and place ,automatic mounter,magnetic linear motor

### 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: ht-f7
- Minimum Order Quantity: 1 unit
- Price: \$80000/unit
- Packaging Details: Waterproof material packing and wooden case
- Delivery Time: 30 work days
- Payment Terms: L/C, T/T
- Supply Ability: 80 units per months



#### Product Specification

- Pcb Size: 80\*330mm~1200\*330mm
- Pcb Clamping: Adjustable Pressure Pneumatic
- System: Windows7
- Software: R&d Independently
- Display: Touch Screen Monitor
- Input Device: Keyboard,mouse
- No. Of Camera: 5
- POWER: 380AC 50HZ
- Power Consumption: 6kw
- Mounting Mode: Group Of Group Of Stick
- Components Space: 0.2mm
- Feeders Stations: 68PCS
- Nozzles: 34PCS
- Mounting Speed: 150000CPH~180000CPH
- Mounting Height: 13mm



#### More Images



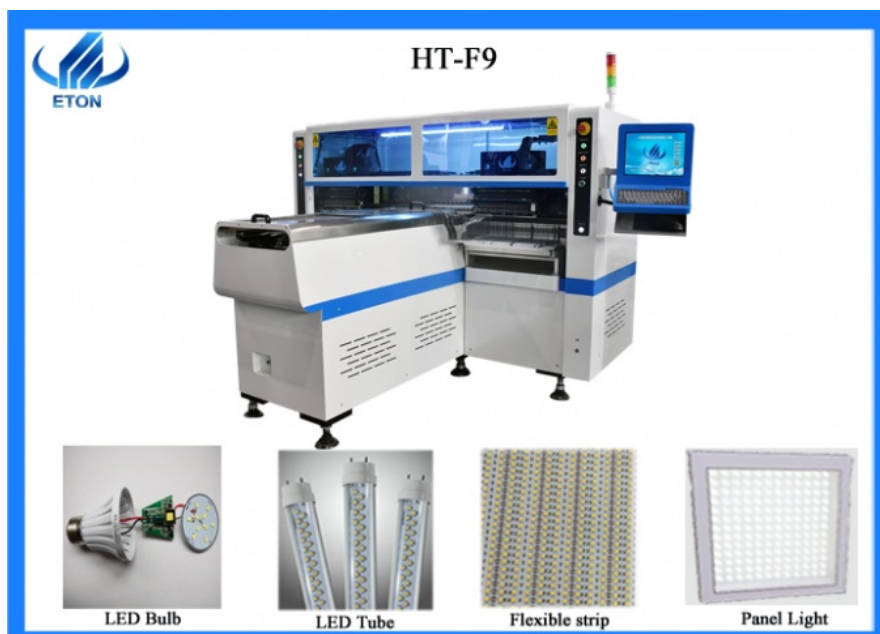
## Product Description

### 1.product details

This high speed Pick and place machine ht-f7 is applies to 0.6m,0.9m,1.2m rigid PCB and 0.5m,1m LED flexible strip. Max mounting height is 13mm. Mounting speed is 200000CPH. The speed is higher and the precision is higher . The mounting mode is group to mount and group to mount.

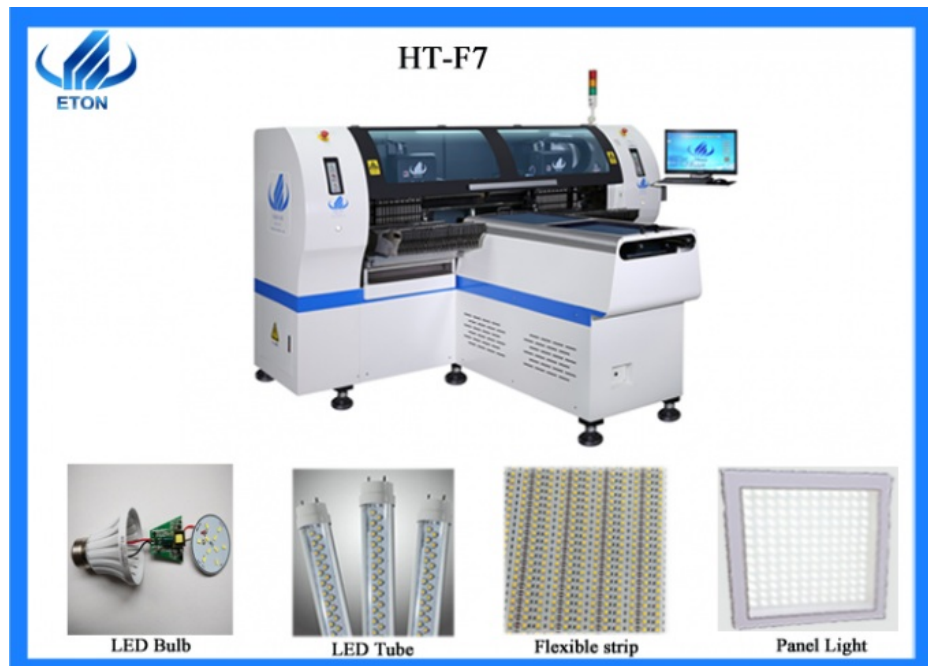
**Components:** LED3014/3020/3528/5050 and resistor,capacitors,bridge rectifiers,etc.

**Application:** 0.6m,0.9m,1.2m rigid PCB and 0.5m,1m LED flexible strip.



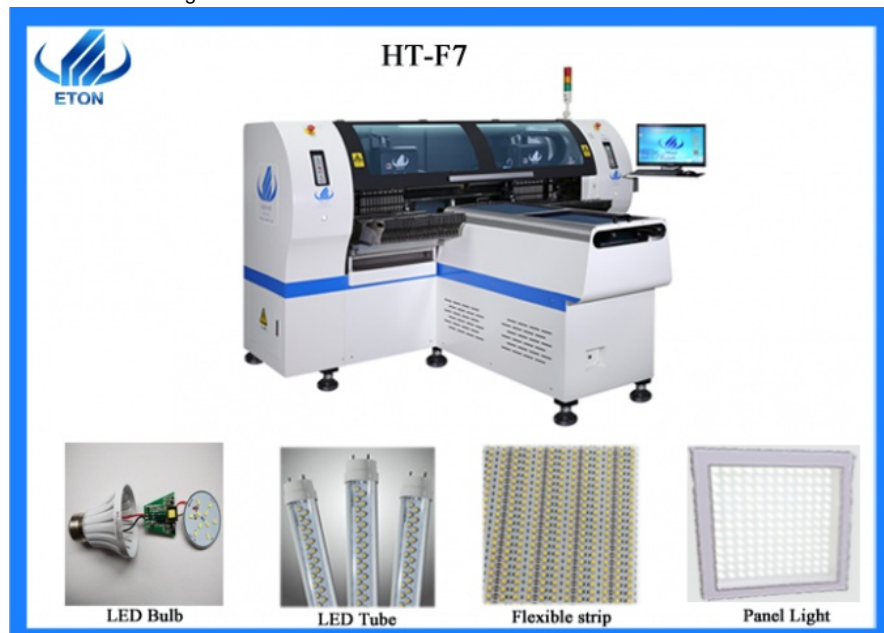
### 2.product Technical parameters of high speed pick and place machine

Model number	HT-F7
Dimension	2700*2120*1550mm
PCB size	80*330 1200*330mm
PCB thickness	0.5 5mm
PCB clamping	adjustable pressure pneumatic
mounting mode	group to take and group to mount
system	windows 7
display	touch screen monitor
input device	keyboard,mouse
NO.of camera	5 sets of imported camera
mounting precision	±0.02mm
mounting height	<13mm
mounting speed	200000CPH
components space	0.2mm
NO.of feedings station	68pcs
NO.of nozzles	34pcs
power	380AC 50HZ
power consumption	6KW
operating environment	23 ±3
conveyor transmission	MAX length:1200mm
transmission speed	>500mm/sec
transmission direction	single(left→right,right→left)
transmission mode	online drive
position mode	optical
air pressure	>5.0kg/c
electrical control	independent research and development by ETON
motion control card module 1set	independent research and development by ETON
X.Y axis drive way	high-end magnetic linear motor+servo motor
feeding way	electric feeder with double motor



## 2.product features of smt pick and place machine

X,Y,Z drive way is high-end magnetic linear motor+servo motor.  
 Install 5 camera and adopt vision for the flight identification, mark correction.  
 PCB clamping is electric clamping+adjustable pressure pneumatic.  
 Vision for the flight identification ,mark correction.  
 Electronic feeder feeding system.  
 Non-stop material re-loading function.  
 Auto-optimization after coordinates generated.



## 3.Packing & shipping of smt mounter machine

Packaging materials	Waterproof material and wooden case
Lead time	Delivery within 30 days after receipt of payment..
port	Shenzhen
Delivery time	Transshipment and partial shipment according to the contract

**Packing details:** vacuum packing and wooden case

**Shipping:** Shenzhen port within 30 days after payment

**Port:** Shenzhen

**Lead time:**

Quantity	1 —	> 2
(units)	2	
Est. Time	3 0	To be
(days)		negotiated



#### 4. Company profile



In November 2011, shenzhen yitong automation equipment co., ltd. was established in shenzhen, China. It is a national high-tech enterprise dedicated to the research and development, production, sales and after-sales technical service of SMT high-speed SMT mounter. Our management policy is sincere operation, concentrate on research and development, manufacturing, intimate service, customers rest assured. Our aim is to create value for customers and benefit for the society. We aspire to be the world's most competitive placement machine and cutting-edge electronic testing equipment manufacturing and service provider.

# ETON



Business type	Manufacturer,distributor/wholesales
Year established	2011
Country/region	Guangdong, China
Total employees	101-200 people
Main products	Pick and place machine, SMT LED machine, LED light production machine, LED light assembly machine.
Total annual revenue	US\$1million - US\$2.5million
Product certification	CE ,CCC ,SIRA
Main markets	Domestic market 70.00%,Southeast Asia 8.00%, South Asia 7.00%
ownership	limited company



#### 5.Our Our certificates and certifications



#### 6.our services

##### Before buying our machine:

- We have a professional sales manager to provide you with professional advice and services.
- We provide 24-hour online service to solve your problem quickly.
- We will specify the production plan for you according to your budget.

##### After buying our machine:

- 1 year free warranty.
- Visit customers regularly and gather information.
- Provide latest information about technology and equipment.
- Software updates are free for life.

#### 7. trade show

Since the establishment of the company, we have participated in many trade exhibitions at home and abroad, including Guangzhou Guangya exhibition, Turkey lighting exhibition, India lighting exhibition, Pakistan exhibition, India nepcon exhibition, Thailand exhibition, etc. We add a large number of foreign clients every year.



Higher precision,  
faster speed,  
independent research and development,  
in China supplier ETON!

### **Maglev Technology**

Magnetic levitation technology, referred to as EML technology or EMS technology, refers to the use of magnetic force to overcome gravity to make objects suspended technology.

The system of magnetic levitation technology is composed of four parts: rotor, sensor, controller and actuator, in which the actuator includes two parts: electromagnet and power amplifier. assuming that the rotor is subjected to a downward perturbation in the reference position, it will deviate from its reference position. at this time, the sensor detects the displacement of the rotor from the reference point. the microprocessor as the controller converts the detected displacement into a control signal. then the power amplifier converts this control signal into a control current, which generates magnetic force in the performing magnet, thus driving the rotor back to its original equilibrium position. Therefore, the rotor can always be in stable equilibrium regardless of whether the rotor is disturbed downward or upward.

### **Reflow welding process**

Reflow soldering refers to the use of solder paste (a mixture of solder and flux) to connect one or more electronic components to the contact pad, through the control of heating to melt the solder to achieve permanent bonding, can be used back welding furnace, infrared heating lamp or hot air gun and other different heating methods to weld.

Flow curve of reflux welding process

preheating zone: PCB and material preheating, so that the welded material to achieve thermal equilibrium,

Constant temperature zone: remove the surface oxide, some airflow start to evaporate (start welding) temperature to reach the solder paste melting point (this time the solder paste is in the insoluble state), this is the reflux furnace is the 5673 heating interval heating action

Back soldering zone: from the melting point of solder to the peak and then down to the melting point, the process of solder melting, PAD to form welding with solder, this is aimed at the back soldering furnace is the heating effect of 893 heating intervals.

Cooling zone: from the solder dissolution point down to about 50 degrees, alloy solder joint formation process.

Furnace temperature needs to be smooth, smooth, so that the flow of complete evaporation.

**contact**

Name:Brynn

Email :Brynn@eton-mounter.com

WeChat:13802252825

Telephone:138 0225 2825



**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