



## High performance SKD making Max PCB 500\*350mm pick and place machine

### 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: YT-101
- 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 days
- Payment Terms: T/T
- Supply Ability: 50 sets per month



#### Product Specification

- Warranty: 1 Year
- Name: SMT Pick And Place Machine
- Power Supply: 380AC 50HZ
- Condition: Brand-new
- Weight: 1700KG
- Mounting Speed: 45000 CPH
- Dimension: 2317\*1376\*1762 Mm
- Feeders: 16 Pcs
- Pcb Thickness: 0.5-4.5 Mm
- Positioning Accuracy:  $\pm 0.02$  Mm



## Product Description

### High performance SKD making Max PCB 500\*350mm pick and place machine

#### Description

Adopt High speed multi modular head, apply to ultra small chip 0201~10 mm large chip, wide component range;  
 Brand new flight vision camera: Improve recognition performance, size up to 10mm\*10mm;  
 Vacuum sensing device: Each placement head with independent detection function, which improves the stability of the equipment and the reliability of the product;  
 Ultra high speed capability: Adopt high-end magnetic linear motor, servo system and multi function modular head, the capacity increased by 25% compared with traditional machine, optimum speed reach 45000 CPH;  
 Brand new self-developed high precision placement head;  
 High-speed precision head flight vision camera capture the image of placement accordingly, improve placement performance;  
 The placement head adopt independent vacuum detection, improve placement performance;  
 Off-line programming, save time of changeover cycle;  
 Software AI intelligent learning function and automatic optimization function.

#### Machine main parameter

Model	YT-101
PCB size	Max size: 500*350 mm Min size: 50*50 mm
PCB thickness	0.5-4.5 mm
PCB clamping	Cylinder clamping, track width adjustable
Software	R&D independently
Production management MES system	Customized (Option)
Off-line programming	Available
Camera	Head flight vision recognition component Vision alignment + Mark correction
Repeat precision	±0.02 mm
Mounting height	≤15 mm
Optimal speed	45000 CPH
Position mode	Optical
Component range	Min 0201~10mm packages and IC etc.
Position mode	Optical
No.of heads	10 pcs
X,Y,Z Axis drive way	High-end magnetic linear motor + Servo motor
Feeding way	Intelligent double head feeder

#### Machine application



**PCB**



**PCBA**



**Bulb**



**street light**



**Floodlight**



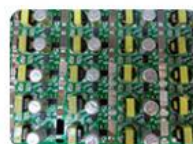
**Down light**



**Lens**



**Panel light**



**Power driver**

#### 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



#### Shipping and Delivery

As to the part of shipping and delivery, there are three ways for your reference, and different way is for different situations:

**Land transportation:** suitable for inland countries and it is affordable;

**Air freight:** for urgent good, and it is the most expensive transportation way;

**Shipping:** It's suitable for heavy goods, and the convenience and lower cost of shipping which is easy for clients to accept the arrival time of the goods.

#### Air freight:

for urgent good, and it is the most expensive transportation way;



#### Land transportation:

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#### Shipping:

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#### SMT Line solution

The SMT production line has two schemes: **semi-automatic and fully automatic line**. If you are just starting to do it, I suggest you do a semi-automatic production line, which **can effectively save your cost**.

The equipment required for the semi-automatic production line includes:

**Semi-automatic printing machine:** the solder paste is printed on the PCB pad through the stencil;

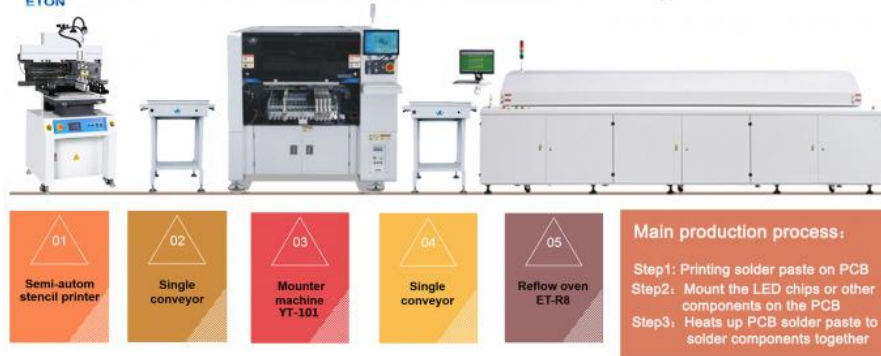
**Pick and place machine:** mount the led chips or other components on the designated position on the PCB board;

**Reflow oven:** melting the solder paste to make it adhere to the mounting components;

**Conveyor:** inspect the placement and soldering quality, and also play a role in transferring PCB boards and buffering on the SMT production line



## Semi-automatic Production Line Layout



### FAQ

Q.What is your merits of the machine to others production?

A. Initially, we have a strong R&D department for studying our productions, and our clients can enjoy free up-grade of the machine to get latest information about technology and equipment, besides, we have a 52000 square meters industrial park to serve the production, assembly, and commissioning of our machines.

Q. How long is the machine maintenance period, whether it is free?

A. The maintenance period of our machine is 1 year and its free for our clients, after the maintenance period we will arrange our engineers to check and test the machine one or two times a year freely.

Q. What components is your machine mainly mounted?

A. For the multifunctional pick and place machine that can mount IC, LED chip, resistors, capacitors and shaped components like lens. High speed mounter machine mounting components are LED3014/3020/35285050, resistors, capacitors and rectifiers.

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