



## Full Automatic LED Display Screen Making Machine DOB Bulbs Making Machine

Our Product Introduction

### Basic Information

- Place of Origin: CHINA
- Brand Name: ETON
- Certification: ccc, ce, rise
- Model Number: KT10S
- Minimum Order Quantity: 1
- Price: FOB USD 33000~43000/sets
- Packaging Details: Our packing is made of wooden box with vacuum package, and we promise to deliver the goods within four weeks after payment.
- Delivery Time: 30 days after deposit
- Payment Terms: L/C, T/T
- Supply Ability: 50 sets per month



### Product Specification

- Name: SMT Pick And Place Machine, SMT Chip Mounter, SMT Nozzle
- Power Supply: AC220V 50Hz
- Warranty: 1 Year
- Dimension: 1490\*2020\*1650mm
- Mounting Speed: 48000CPH
- Mounting Height: <16mm
- Total Weight: 2100kg
- Condition: 100% Original, Brand-new
- Applicable Components: 0402, 0805, 0603, 1206, SOP
- Application: SMD Production Line, SMT Mounting Shooter Machine, SMT Production Line, for SMT Machine
- Highlight: **Full automatic screen making machine, SMT LED Display Screen Making Machine, Full Automatic DOB Bulbs Making Machine**

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

## Product Description

### smt placement equipment kt10s Full automatic smt line

#### Features of SMT Machine

High-speed multi integrated machine ,Breaking Through industry conventions,Greatly improving mounting speed ,accuracy stability.

X,Y and Z axis adopt self-developed high-end magnetic linear motor  
Flexible PCB handing capabilities,multi-station,multi-material mouning  
Y axis Adopt double double drive gantry structure  
Support automatic replacement nozzle function(option)

**Apply to 0402~35\*35mm components need to option fixed camera**

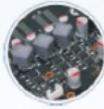
#### Technical Parameter of SMT Machine

<b>Model</b>	<b>KT10S</b>
<b>Dimension</b>	
Length	1490mm
Width	2020mm
Height	1650mm
Total Weight	2080kg
<b>PCB</b>	
PCB Length Width	Max:500*450mm(1200*450 option) Min:50*50mm
PCB Thickness	0.5-5mm
PCB Clamping	Cylinder clamping, track width adjustable
Mounting Mode	Group picking and separate placingseparate picking and separate placing
<b>O.S.</b>	
System	Windows7
Software	R&D independently
Display	Touch screen monitor
Input Device	Keyboard, Mouse
<b>Vision System</b>	
No. of Camera	1 PCS (Head flight vision camera) 1PCS Mark camera
Mounting Precision	CHIP±0.03mm QFP±0.025mm Cpk ≥1.0 (3σ)
Mounting Height	≤16mm
Mounting Speed	48000 CPH(Under best condition)
Components	LED , capacitors, resistors, shaped components, etc.
Components Speed	0.2mm
No. of Feeders Station	52 PCS (104 PCS customize, IC tray/nozzle change option)
No. of nozzles	10 PCS
Power	220AC 50HZ
Power Consumption	1.5kw
Operating Environment	23°C±3°C
Transmission Speed	>1000mm/sec
Transmission Direction	Single(left→ right or right→ left)
Transmission Mode	Online drive
Position Mode	Optical
Gas consumption	0.4-0.6mpa (4-6kgf/cm2)600N/min
Electrical control	Independent research and development by ETON
Motion control card module 1 set	Independent research and development by ETON
X,Y,Z Axis Drive way	High-end magnetic linear motor
Feeding way	Intelligent feeder with double motor
Production management MES system interface	Customized

#### The pictures of SMT machine

# KT10S

Middle-speed intelligent multi-functional pick and place machine



Electrical Board



Driver Board



Household Appliance



Bulb Driver



Ceiling Light



Panel Light



LED Bulb



Flexible Strip



DOB



DOB



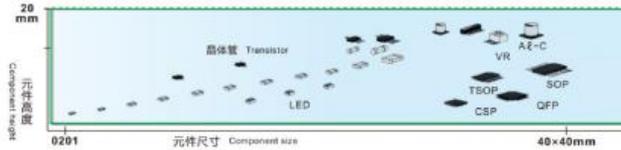
Street Light



LED Display

## 特点 ② 灵活支持生产现场 FLEXIBLE PRODUCTION

### 对应元件尺寸 Component size



### 光学识别相机 Optical Recognition Camera

头部飞行识别+固定飞行识别相机(选配),可以对尺寸小于40\*40mm且高度低于20mm的元件做高速高精度识别。  
Head flight recognition + fixed flight recognition(optional), components with size less than 40\*40mm and height less than 20mm can be used to high-speed and high-precision identification.



**双Mark相机识别:**高精度Mark相机识别系统,采用3色照明识别方法,使用任意形状Mark及透镜(蓝光扫描),应用范围更广。  
**Double Mark camera Recognition:** High-precision Mark recognition system, adopt 3-color illumination recognition, apply to any shape Mark and LENS (Blue-ray scan), wider range of applications.



**固定飞行识别相机(选配):**通过高速飞行识别相机一次性快速采集多个头部图像,进行元件图像位置视觉校准,对中校正,光源亮度可调。  
**Fixed flight vision camera (OPTION):** High-speed flight vision camera, quickly captures multiple head images at once, perform visual calibration of image position, alignment correction, adjustable light source brightness.

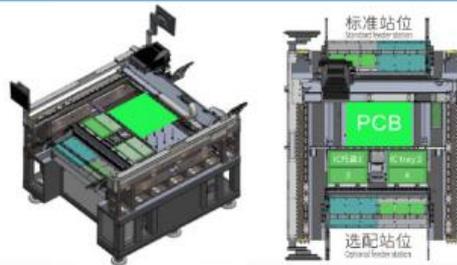
### 智能送料器 Intelligent Electric Feeder

支持YT系列通用的智能送料器,吸料时,通过光学校正元件送料位置,实现稳定精准高速送料。  
Support YT series double head intelligent electric tape reel feeder, by optically correcting the feeding position of the component, it can achieve stable, accurate and high-speed feeding.



## 特点 ③ 运输轨道系统结构 TRANSMISSION SYSTEM STRUCTURE

- 单轨单臂,贴装头10个吸嘴。
- 最大可贴装500\*470mm PCB, 最小贴装50\*50mm PCB。
- 可选配C托盘, 实现灵活生产。
- 通过模组式贴装头及多样生产模式, 可灵活组线。
- Single Gantry, 10 splines.
- Maximum PCB board: 500\*470mm, Minimum 50\*50mm.
- Optional IC tray, flexible production
- Flexible wiring through modular placement heads and various production modes.



## 特点 ④ 实现稳定生产的功能 HIGH RELIABILITY

- 采用全新自主研发高精度贴装头
- 超高进头部识别相机与底部飞行识别相机配合, 保障贴装精准度
- 配备吸嘴独立真空检测功能, 更好的保障了取料的稳定性
- 离线编程功能, 缩短换线周期。
- 软件具备AI智能学习和自动优化功能。
- 可提供MES系统接口
- 具备坐标导入功能
- Brand new self-developed high-precision placement head.
- Combine high accuracy Mark recognition camera with fixed flight vision camera, ensure placement accuracy.
- 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.
- Support provide MES system interface.
- Equipped coordinate import function.

## Packaging & shipping

### PRODUCTING PACKAGING:

Foam wrap to prevent the machine from collision.  
Vacuum paper prevent moisture .  
Vacuum paper prevent moisture .  
Carefully cabinet to ensure a good delivery all the time.

### Packaging & shipping

By sea: large transportation capacity, safe, strong continuity and relatively lower cost.  
By trunk: suitable for short distance transportation and high speed.  
By airplane: faster speed can saving time, high efficiency.  
By train: stable, safe, reliable and lower cost.

## Application



### Service ETON

#### 1.Pre-sale

Provide equipment and SMT production lines that meet customers' needs according to customer needs;  
Provide relevant suggestions to customers;

#### 2.On sale

Real-time follow-up of the production situation of the customer's machine and inform the customer of the production progress

#### 3.After sale

- 1.Arrange engineers to come to the factory to install, debug and teach free of charge;
- 2.One-year maintenance period. During the maintenance period, any parts that need to be replaced or repaired are free of charge;
- 3.Every year there is an opportunity for free machine maintenance
- 4.Visit customers regularly to understand the usage of the machine and collect customer feedback.

**SHENZHEN ETON AUTOMATION EQUIPMENT CO., LTD**

**ETON**

**FULL SMT SOLUTION EXPERT**

**INSPIRE THE FUTURE**

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Full SMT line Solution Expert



SMT Machines  
Pick and place machine  
Stencil Printer  
Reflow oven  
conveyor  
SPI/AOI  
Loader/Unloader machine

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