



High Accuracy Led Tube Mounter Machine for LED Light Production Approx.1340KG Weight and Mounting Components 0201

Our Product Introduction

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Basic Information

- Place of Origin: CHINA
- Brand Name: ETON
- Certification: CE,CCC,SIRE
- Model Number: YT10S
- Minimum Order Quantity: 1
- Price: USD30000~70000
- Packaging Details: WOODEN CASE
- Delivery Time: 30 DAYS
- Payment Terms: T/T,LC
- Supply Ability: 50/PER MOUNTH



Product Specification

- Application: SMD Production Line,SMT Mounting Shooter Machine,SMT Production Line,for SMT Machine
- Mounting Components: 0201, 3528, IC, Resistor, Capacitors, SOP, QFP,INDUCTOR,Etc
- Warranty: 12 Months
- Name: SMT Pick And Place Machine,SMT Chip Mounter
- Power Supply: AC220V 50Hz / AC110V 60Hz
- Product Name: Place Machine\ LED Mounter\LED Assembly Machine,Automatic SMT Mounting Shooter
- Mounting Speed: 48000 CPH
- Mounting Precision: 0.05MM
- Feeders SLOT: 52PCS
- Tape Width: 8mm,12mm, 24mm,32mm
- Weight: Approx.1340KG
- Highlight: 0201 Led Tube Mounter Machine

Product Description

ETON China SMT Machine smd mounting machine Supplier

The **YT10S Pick and Place Machine** offers a range of advanced features designed to enhance the efficiency and flexibility of SMT (Surface Mount Technology) production lines. Here are the key characteristics and application scope based on the provided details:

Key Features:

High-Speed Performance: The YT10S achieves a placement speed of up to **48,000 CPH** (components per hour) under optimal conditions. This is a 25% increase in placement capability compared to traditional machines due to the integration of high-end magnetic linear motors and a modular placement head.

Advanced Motion System: The X, Y, and Z axes are driven by **self-developed high-end magnetic linear motors**, which provide enhanced speed, accuracy, and stability in component placement.

Modular Placement Head: The machine features a **modular placement head** with **10 suction nozzles** per head, offering precision placement for a wide range of component sizes, from **0201** to **35x35mm** packages. The head is lightweight, and each set of Z axes is independently controlled, allowing for high precision.

Vision System: The YT10S is equipped with an advanced **vision system**, including a **head flight camera** and **dual mark cameras**, for high-speed, high-precision recognition. This ensures accurate alignment and placement even for components with complex shapes.

Flexible PCB Handling: The machine can handle various PCB sizes, from **50x50mm** to **500x450mm** (with an optional extension to 1200x450mm), and supports flexible production by customizing the feeder and tray systems.

Automated Features: The YT10S supports **automatic nozzle replacement** (optional), and it has a **vacuum sensing device** on each placement head to improve reliability and stability.

Customization and Options: There are various options available for customization, including **IC backpack**, **vibrating bowls**, **manual IC trays**, and **auto feeder carts**. The machine can also be configured for different production modes to meet specific needs.

Intelligent Software: The system is powered by **ETON's self-developed software**, featuring **AI deep learning** and **automatic optimization functions**. It supports **offline programming**, reducing setup time and enhancing operational efficiency.

Support for Multiple Components: The machine is versatile in terms of the types of components it can handle, supporting **0201** to **35x35mm** tape reel packages, IC tray feeders, and more.

Application Scope:

The YT10S is suitable for a wide range of industries that require high-speed, high-precision assembly of small to medium-sized components. Common applications include:

Consumer Electronics: Assembly of PCBs for smartphones, tablets, and wearables.

Automotive: Integration of electronic components in automotive control units, sensors, and infotainment systems.

Industrial Electronics: Manufacturing of components for industrial automation and control systems.

Medical Devices: Precise assembly of medical electronics where reliability is critical.

Communication Devices: High-precision assembly for communication equipment, including network devices and telecom equipment.

This machine's flexibility, speed, and precision make it ideal for high-volume production environments where rapid changeover and customization are essential.

For those researching pick-and-place machines for modern electronics manufacturing, keywords such as "**high-speed SMT machine**," "**advanced placement head**," "**flexible PCB handling**," and "**AI-powered assembly system**" are likely to lead to similar advanced solutions.



FULL-AUTOMATIC SMT LINE SOLUTION



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Power driver SMT line Solution

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PARAMETERS

Model	YT10S
Dimension	
Length	1480mm
Width	2020mm
Height	1650mm
Total Weight	2380kg
PCB	
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
O.S.	
System	Windows7
Software	R&D independently
Display	LED monitor
Input Device	Keyboard, Mouse
Vision System	
No. of Camera	1 PCS (Head flight vision camera) 2 PCS Mark camera
Mounting Precision	CHIP±0.03mm QFP±0.025mm Cpk ≥1.0 (3σ)
Mounting Height	≤16mm(Other height can be customized)
Mounting Speed	48000 CPH(Under best condition)
Components	0201~15MM packaging material and IC material(Optional fixed camera for 0201~35*35MM), Other component size can be customized
Components Speed	0.2mm
No. of Feeders Station	52 PCS (104 PCS 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

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Full SMT line Solution Expert

SMT Machines
Pick and place machine
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Loader/Unloader machine

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