



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

## PCB driver board SMT pick and place machine with multifunctional 80000CPH 20 heads 32 docking cart

### Our Product Introduction

#### Basic Information

- Place of Origin: China
- Brand Name: ETON
- Certification: CCC CE SIRA
- Model Number: YT202S
- Minimum Order Quantity: 1 SET
- Packaging Details: Vacuum wooden box
- Supply Ability: 50 PCS/month



#### Product Specification

- Name: Pick And Place Machine
- Warranty: 1 Year
- Length: 2788mm
- Width: 1686mm
- Height: 1375mm
- Total Weight: 1700kg



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## Product Description

### PCB driver board SMT pick and place machine with multifunctional 80000CPH 20 heads 32 docking cart

#### Product description

High-speed Multi Modular Head: Adopt High-speed multi modular head, apply to ultra small chip 0201 ~40\*40mm large Chip, wider component range. Each module 10 spindles, both high speed and intelligent with light compact design.

Brand New Flight Vision Camera: Improve recognition performance, size up to 40mm\*40mm, apply to BGA or CSP etc.

Vacuum Sensing Device: Each placement head with independent detection function, which improves the stability of the equipment.

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 placement speed reach 80000 CPH.

#### Feature

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.

#### Feeding system

Docking Cart: Double side docking cart slot 32PCS, tape reel packages: 64PCS (single side docking cart slot 16PCS, tape reel packages: 32PCS), freely switching between docking cart and IC tray feeder (IC tray feeder: Option)

Smart Double-head Tape feeder: 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.

IC Tray Feeder: Support multi-layer tray feeder (IC tray feeder) installment, freely switching between docking cart and IC tray feeder.

#### Parameter

|                        |   |
|------------------------|---|
| PCB size               | Max size: 450*540mm (single PCB)<br>500*300mm (Double PCB)<br>Min size: 50*50mm |
| PCB thickness          | 0.5-4.5mm   |
| Rail                   | 2 Rail, 2 gantries (Rail 1, 4 are fixed rail)                                   |
| No. of camera          | 4 sets  |
| Mounting height        | ≤20mm   |
| Mounting speed         | 80000CPH  |
| X, Y, Z Axis drive way | High-end magnetic linear motor + Servo motor                                    |

#### SMT introduction

SMT is the abbreviation of surface mounted technology, which is the most popular technology and process in the electronic assembly industry at present. SMT chip refers to the abbreviation of a series of technological processes processed on the basis of PCB. PCB (printed circuit board) means printed circuit board.

#### SMT advantage

High assembly density, small size and light weight of electronic products.

High reliability and strong earthquake resistance. The defect rate of solder joint is low.

Good high frequency characteristics. Reduce electromagnetic and RF interference.

It is easy to realize automation and improve production efficiency. Reduce the cost by 30% - 50%. Save materials, energy, equipment, manpower, time, etc.



#### FAQ

Q: What is the application scope of YT202S?

A: YT202S is widely used. The minimum component that can be mounted is 0201, and the maximum component size that can be identified is 40\*40mm. The finished product has PCB drive of home appliance control board and PCB drive board of TV

display screen. It can mount complex components, such as BGA, CSP, etc., and can also be applied to various LED products, such as LED lights and display screens.



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