



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

High Precision SMT Making Machine 98000CPH for SMT Production Line 100% Original 220V Power Supply

Our Product Introduction

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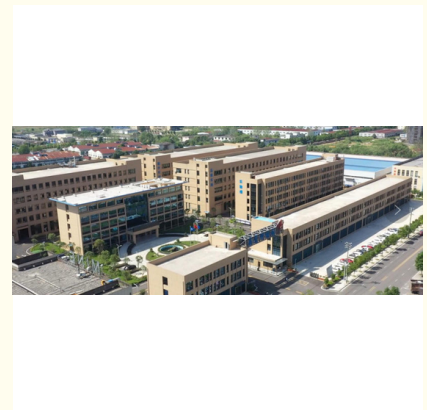
Basic Information

- Place of Origin: CHINA
- Brand Name: ETON
- Certification: CCC, CE, SIRA
- Model Number: YT20S
- Minimum Order Quantity: 1 SET
- Packaging Details: wooden case
- Delivery Time: 20 working days
- Payment Terms: T/T
- Supply Ability: 50 set per month



Product Specification

- Warranty: 1 Year
- Applicable Components: 0201
- Name: SMT Pick And Place Machine
- Application: SMD Production Line, SMT Mounting Shooter Machine, SMT Production Line
- Power Supply: 220V
- Condition: New, 100% Original, Brand-new
- Mounting Speed: 98000 CPH
- Type: Automatic
- Usage: Circuit Board Assembly, SMT Mounting Machine, SMD, LED
- Highlight: **98000CPH SMT Making Machine, High Precision SMT Making Machine, 220V SMT Making Machine**



Product Description

Machine main parameter

Model	YT20S
Dimension	
Length	1480mm
Width	2680mm
Height	1650mm
Total Weight	2380kg
PCB	
PCB Length Width	Max:500*300mm(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	98000 CPH(Under best condition)
Components	0201~12MM packaging material and IC material(Optional fixed camera for 0201~35*35MM),Other component size can be customized
Components Space	0.2mm
No. of Feeders Station	104 PCS
No. of nozzles	20 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

Company Introduction:





China's **largest** manufacturer of P&P machine
Industrial park More than 50000 M²

More than **14 years** R&D experience in SMT industry
equipped with core technology

Got large more than **80%** big led lighting industry market
machine hot sell to **20 countries**

250000 CPH Super highspeed pick and place machine, **fastest** in all ove the world

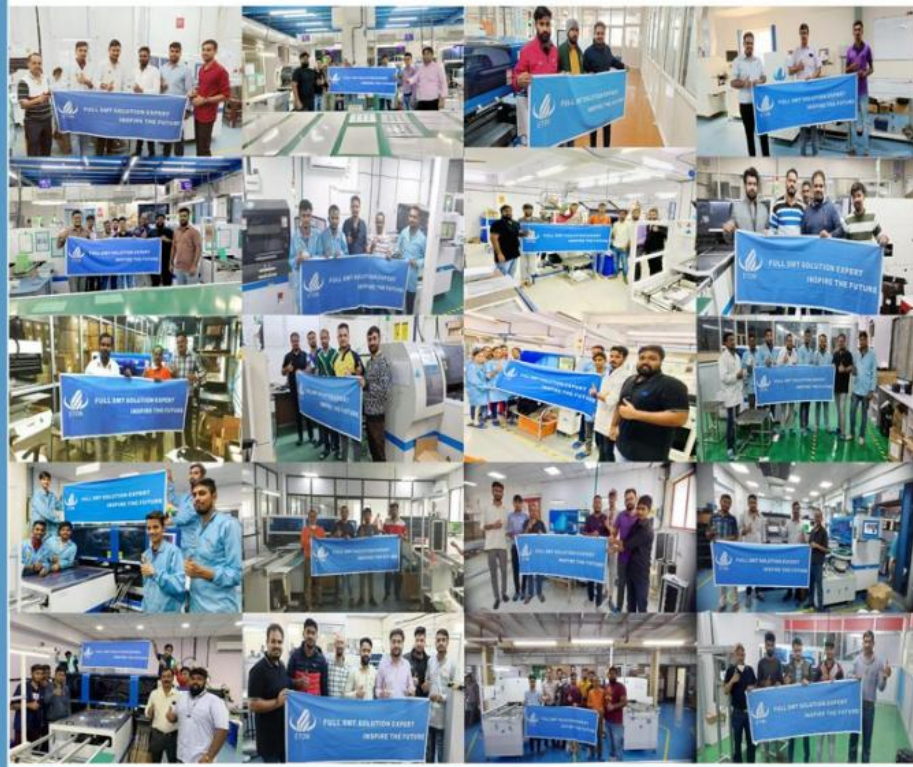
Our company participates in many exhibitions at home and abroad every year,
You will see ETON's booth in some well-known large-scale exhibitions in China, including large-scale exhibitions held in Shenzhen, Guangzhou, Chongqing, Shanghai and other places.

Foreign exhibitions include exhibitions in more than 20 countries including Mumbai, Delhi, Egypt, Turkey, and Vietnam.

Service:



FULL SMT SOLUTION EXPERT
INSPIRE THE FUTURE



Maintenance period 1 year

One year warranty. during warranty. any parts that need to be repaired and replaced will be free.

Software and hardware lifetime maintenance

Free upgrade software, the software is Reach and developed by ETON, so we support whole lifetime free upgrade updates.

Visit customers regularly and gather information

Visit clients regularly. We attend the different exhibition in different cities every year, at the same time, we will visit local clients and support our service and collect feedback on customer suggestions in time.

Provide the latest information about technology and equipment

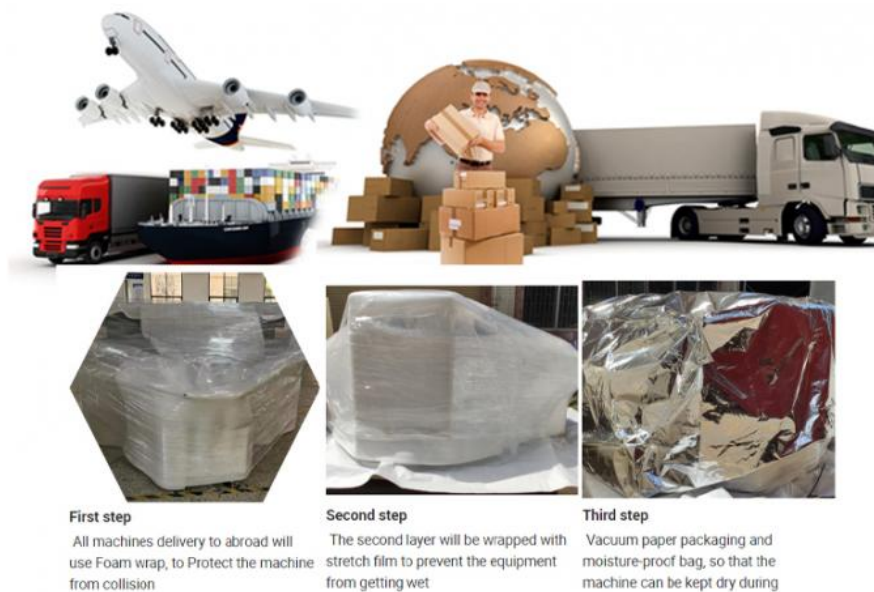
We give professional technology suggestions to our clients. And share the updated news with our clients

On-site service

We have some official site in India as Mumbai and New Delhi, also have site in Egypt, Turkey that can provide service timely with our engineers.

According to your needs, dedicated senior engineer will come to your factory for free install and training you how to operate the machine.

Packaging:



As for the packing of the products, we use vacuum packing to reduce the damage of the products. After vacuum packing the machines, we use wooden boxes to cover them to ensure the safety of the machines.

What defects can X-ray detect in SMT process?

X-rays can inspect the internals of component soldering. It utilizes the penetrating power of X-rays to detect problems such as insufficient solder, poor soldering, and short-circuiting of solder joints.

When defects such as pores, slag inclusions, and incomplete soldering occur, bright spots or bright lines will be formed in the defect area. Visually, we can judge whether there is a defect in an area based on whether an area in the inspection image is brighter than the surrounding background area. From the point of view of image processing, we can judge whether an area is a defect according to the pixel gray value in the flaw detection image.

The most likely causes of voids are the solder paste and the components themselves. In the X-ray image, some "bubbles" can be seen in the solder joints.

If there is a gray "bridge" between the solder joints, we can basically judge that the solder is shorted.

If the amount of solder paste is abnormal or the SMT deviates, the components may be displaced. Based on the X-ray inspection images, the shadows of the pins and pads do not match, and we can see that the components are misplaced.

Welding defects can be judged according to the grayscale and the size of the solder joints.

Oxidation of PCB pads can lead to poor soldering. The image presented by X-ray inspection is that the solder joint is significantly larger than normal.

Insufficient solder paste or solder paste flowing into nearby vias during reflow. On X-ray images, the solder joints are smaller than normal.

Cold soldering is the incomplete fusion of SMT solder paste due to insufficient soldering temperature and time during reflow soldering. Usually not easy to spot, but X-ray inspection images clearly show the problem.

Contact David

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