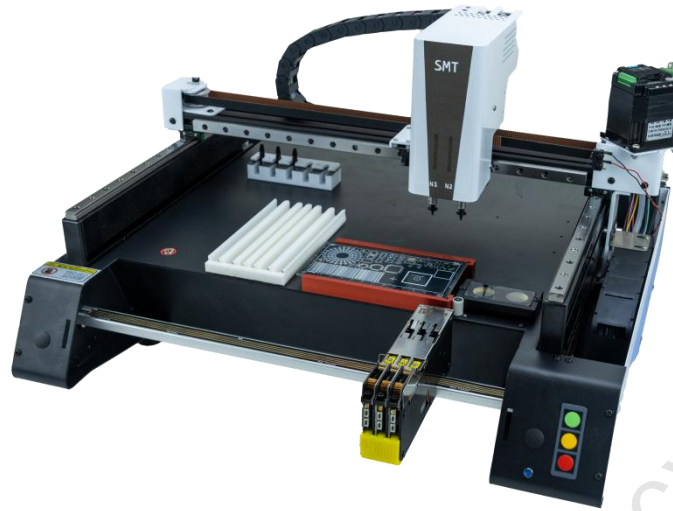


Mini Pick & Place Machine - Desktop SMT Ultra Intro



\$1599

1. Overview

It is an advanced desktop pick-and-place machine designed for precise and efficient PCB assembly. With a three-vision camera system, automatic feeders, and dual placement heads.

Its compact design suits both home and professional environments, offering intelligent, high-speed features for small-scale prototyping and diverse production needs.

*Work flow: 1) Solder paste printing/dispensing solder paste 2) SMT 3) Reflow soldering.

2. Feature

- 2.1. **High Precision:** Simultaneous top and bottom camera capture, with up to three cameras on the machine. Closed-loop stepper motor control ensures stability with no missed steps. Custom nozzle motor is durable, and the linear guide structure ensures smooth movement.
- 2.2. **Fast & Efficient:** Thanks to powerful S-curve motion control, speed is 80% faster than similar machines, with a maximum placement speed of up to 3000 CPH, ensuring stability and minimal vibration.
- 2.3. **Easy Operation:** Proprietary intelligent placement software with a simple interface and clear logic. Guided tutorial-style help files are available. Supports passive automatic head change and multiple types of Mark recognition.
- 2.4. **Versatile Feeding:** ① Vision-assisted loose part feeder, capable of handling polarized components with ease. ② Electric feeder with automatic barcode marking, driven by all-metal gears, compact and supports 0402 components. ③ Loose part feeder. ④ Tray feeder.
- 2.5. **Sturdy & Stable:** Integrated welded sheet metal frame, stable at high speeds with no vibration. Linear guide ensures smooth and steady motion.

3. Specs

Carton Size	W65×D55×H42 cm	*Packaging Weight	24 kg(G.W)
Equip Size	W53×D45×H33 cm	Equip Weight	18.4 kg(N.W)
XYZ Stroke	X350×Y300×Z20 mm	Max PCB Area	W300×D200 mm
Vision Camera	Triple, One Top&Dual Bottom	Frame	Integrated Sheet Metal
Placement Head	Dual	Feeder Capacity	12×8mm Tri-tape E- Feeder 20× Strip Feeder
Position Accuracy	0.05mm	Nozzle Recoil Range	5mm
Drive Motor	57 Closed Loop stepper	Light Source	LED
OS	Windows 7 and above	Software	SMTEZ
Power Supply	220V/110V	Average Power	150W
XY Axis Rotation	Timing belt + Linear Guideway	Max Speed	3100 mm/s
Tree-Vision Mounting speed	2500 CPH	Vision-less Mounting speed	3000 CPH
Vacuum	External vacuum pump	Electric Feeder	Tri-tape Auto Feeder 485 communication
Programming	CSV coordinate file import or manual entry		
SMT Range	0402/0603/0805/1206/LED lamp beads Diode, transistor, SOT/Within the range of 15×15mm QFP, BGA, etc. with a pin count of less than 100 and a pitch of more than 0.3mm.		

4. Default & Optional

4.7. Default Delivery List

Sort	Name	Quantity	Mark
Equip	Desktop SMT Ultra	1	High-speed dual placement heads, Triple Vision, automatic head change
Nozzle	CN065	1	0603, 0805
	CN140	1	1206, Sop8
Feeder	Strip Feeder	3	8mm×2, 12mm×1
	8mm Tri-tape Auto Feeder	1	Supports 0402 to Sop16, positioning accuracy 0.01mm
Others	Nozzle Change Holder	1	5 workstations, providing 4 nozzle replacements
	Calibrate PCB	1	Calibration Position
	Vacuum Pump	1	Provides vacuum power to the nozzle

4.8. Optional

Sort	Name	Applicable Component	OD(mm)	ID(mm)	Price
Nozzle	CN040	0402	0.7	0.4	\$8
	CN065	0603, 0805	1.2	0.6	\$8
	CN 140	1206, sop8	2.2	1.1	\$8
	CN220	Sop8 sop16	3.6	2.2	\$8
	CN400	Sop8 & above large components	6.2	4.0	\$8
Feeder	8mm Strip Feeder		8mm Wide Tape, 3D Printed		\$4
	12mm Strip Feeder		12mm Wide Tape , 3D Printed		\$4
	16mm Strip Feeder		16mm Wide Tape , 3D Printed		\$5
	Vision Feeder		Uniform luminescence, clear component outline recognition rate of 99% *Can't be used for square component *Only one can be mounted on the magnetic base power supply		\$15
	8mm Tri-tape Auto Feeder		Tape Wide 8mm, positioning accuracy 0.01mm		\$49
	12mm Dual-tape Auto Feeder		Tape Wide 12mm, positioning accuracy 0.01mm		\$40
	16mm Dual-tape Auto Feeder		Tape Wide 16mm, positioning accuracy 0.01mm		\$40
	Solder Paste Stencil Printing Station		Effective size 170×170mm		\$52

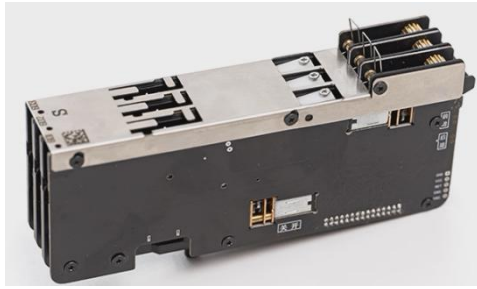
5. Warranty

5.1. 12-month warranty for quality problems caused by non-human factors

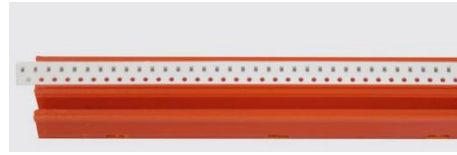
5.2. After the warranty period expires, parts will be replaced and repaired at cost price.

6. Details

Auto Feeder



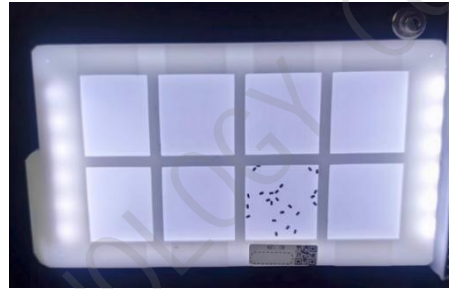
Strip Feeder



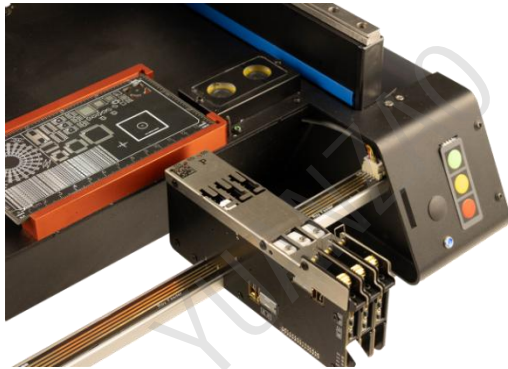
Machine



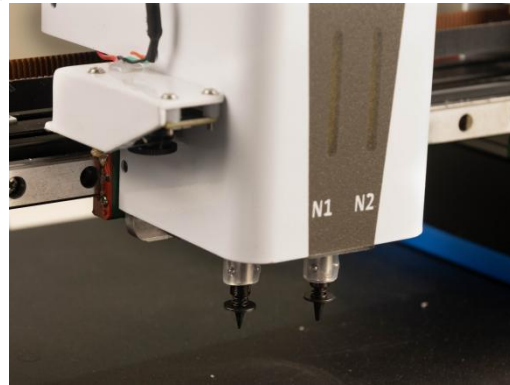
Vision Feeder



Triple Vision



Dual Nozzle



Samsung Nozzles



Nozzle Tip Changer

