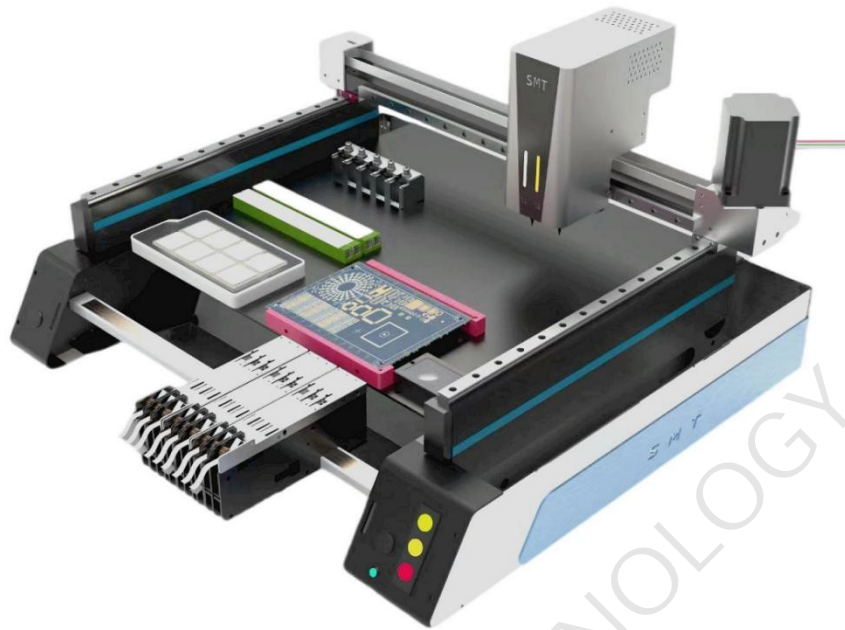


## Benchtop Pick and Place Machine - Desktop SMT Pro Intro



\$1399

### 1. Overview

Pro is a tabletop PCB pick and place Machine. The whole frame is made of sheet metal and is welded together. The linear guide structure is stable and vibration-free. The software design work guide supports multiple programming methods, CSV coordinate import, online manual entry and manual fine-tuning. Triple Vision high-speed dual placement heads support up to 10 types of feeders.

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

### 2. Feature

- 2.1. Fully sheet metal welded integrated frame, the body is stable and does not vibrate at high speeds
- 2.2. Linear guideway structure, run smoothly
- 2.3. Automatic nozzle changing function makes work more efficient
- 2.4. Simple operation, software design work guide, even novices can easily get started in a short time
- 2.5. Simple and intelligent programming method, CSV coordinate import, online manual recording, and support for manual fine-tuning. Reject duplicate IDs and duplicate encapsulation, making programming smoother
- 2.6. Function-rich table layout, dual placement heads, upper and lower Triple Vision, supporting up to 10 feeders.

### 3. Specs

<b>Equip Size</b>	W530×D450×H330mm	<b>Equip Weight</b>	25KG(N.W)
<b>Packaging Size</b>	W647×D545×H390mm	<b>Packaging Weight</b>	30KG(G.W)
<b>XYZ Stroke</b>	X260×Y370×Z20mm	<b>Max PCB Area</b>	W220×D300mm
<b>Vision Camera</b>	Triple, One Top&Dual Bottom	<b>Frame</b>	Integrated Sheet Metal
<b>Placement Head</b>	Dual	<b>Feeder Capacity</b>	12×8mm Tri-tape E- Feeder 20 × Bulk Feeder
<b>Position Accuracy</b>	0.05mm	<b>Nozzle Recoil Range</b>	5mm
<b>Drive Motor</b>	57 Closed Loop stepper	<b>Light Source</b>	LED
<b>OS</b>	WIN7/WIN10	<b>Software</b>	OPENPNP Dev Version
<b>Power Supply</b>	220V/50HZ	<b>Average Power</b>	150W
<b>XY Axis Rotation</b>	Timing belt + Linear Guideway	<b>Max Speed</b>	2200mm/s
<b>Tree-Vision Mounting speed</b>	1600CPH	<b>Vision-less Mounting speed</b>	2100CPH
<b>Vacuum</b>	External vacuum pump	<b>Electric Feeder</b>	Tri-tape E-Feeder 485 communication
<b>Programming</b>	CSV coordinate file import or manual entry		
<b>SMT Range</b>	0402/0603/0805/1206/LED lamp beads Diode, transistor, SOT/45×45mm range pins QFP, BGA, etc. with pitch greater than 0.3mm		

### 4. Standard & Optional

#### 4.7. Shipping List

Sort	Name	Quantity	Mark
Equip	Desktop SMT Pro	1	High-speed dual placement heads, Triple Vision, automatic head change
Nozzle	CN065 (Samsung)	1	0603, 0805
	CN1140 (Samsung)	1	1206, sop8
Feeder	Bulk Feeder	3	8mm、12mm、16mm one of each
	8mm Tri-ape E-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 (Samsung)	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 Bulk Feeder	8mm width Tape, 3D printed part			\$4
	12mm Bulk Feeder	12mm width Tape , 3D printed part			\$4
	16mm Bulk Feeder	16mm width Tape , 3D printed part			\$5
	Vision Bulk Feeder	Uniform luminescence, clear component outline recognition rate of 99% components, provide OPENPNP setup files *Can't be used for polarized or square *Only one can be mounted on the magnetic base power supply			\$15
	8mm Tri-tape E-feeder	Tape width 8mm, positioning accuracy 0.01mm			\$49
	12mm Dual-tape E-feeder	Tape width 12mm, positioning accuracy 0.01mm			\$40
	16mm Dual-tape E-feeder	Tape width 16mm, positioning accuracy 0.01mm			\$40
Solder Paste Stencil Printing Station		Effective size 170×170mm			\$52

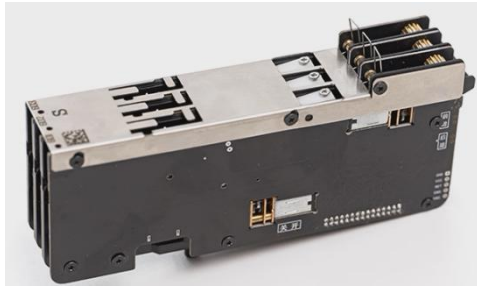
## 5. Warranty

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

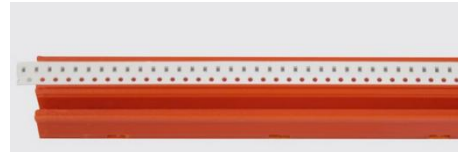
5.2. After the warranty period expires, parts will be replaced and repaired at cost price.

### 6. Details

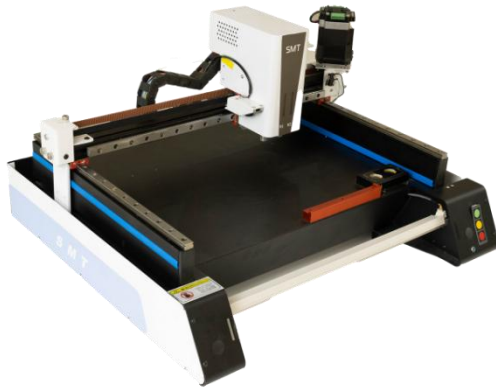
E-Feeder



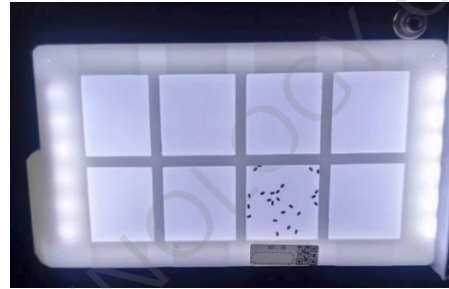
Bulk Feeder



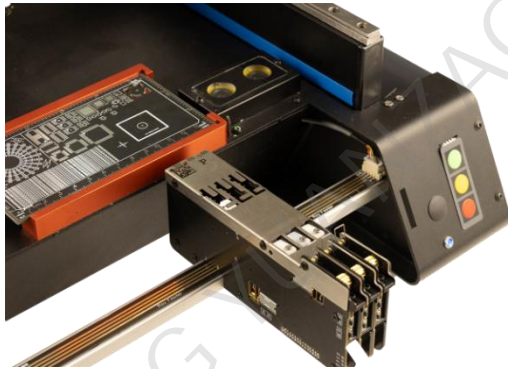
Equip



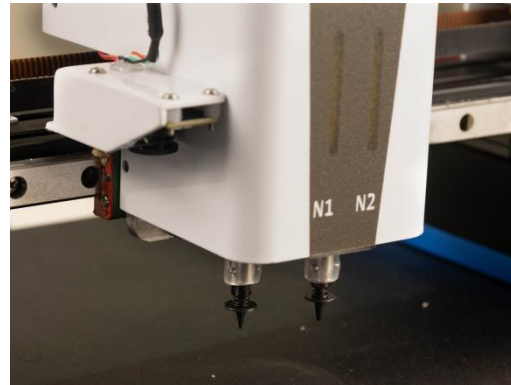
Bulk Vision Feeder



Triple Vision



Dual Nozzle



Samsung Nozzle



Nozzle Change Holder

