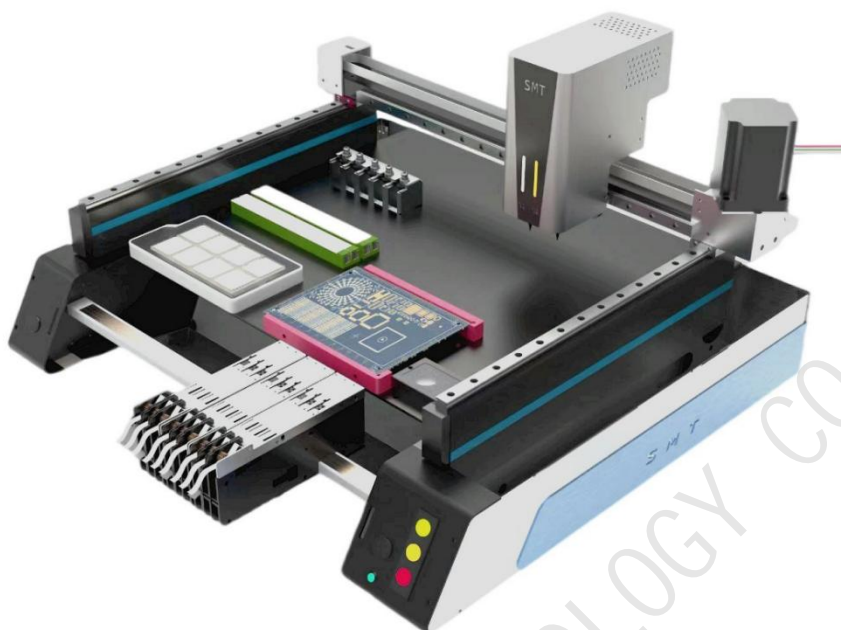


Benchtop Pick and Place Machine - Desktop SMT Pro Intro



\$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

| | | | |
|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-----------------------------------------------|
| Equip Size | W530×D450×H330mm | Equip Weight | 25KG(N.W) |
| Packaging Size | W647×D545×H390mm | Packaging Weight | 30KG(G.W) |
| XYZ Stroke | X260×Y370×Z20mm | Max PCB Area | W220×D300mm |
| Vision Camera | Triple, One Top&Dual Bottom | Frame | Integrated Sheet Metal |
| Placement Head | Dual | Feeder Capacity | 12×8mm Tri-tape E- Feeder 20 × Bulk Feeder |
| Position Accuracy | 0.05mm | Nozzle Recoil Range | 5mm |
| Drive Motor | 57 Closed Loop stepper | Light Source | LED |
| OS | WIN7/WIN10 | Software | OPENPNP Dev Version |
| Power Supply | 220V/50HZ | Average Power | 150W |
| XY Axis Rotation | Timing belt + Linear Guideway | Max Speed | 2200mm/s |
| Tree-Vision Mounting speed | 1600CPH | Vision-less Mounting speed | 2100CPH |
| Vacuum | External vacuum pump | Electric Feeder | Tri-tape E-Feeder 485 communication |
| Programming | CSV coordinate file import or manual entry | | |
| SMT Range | 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 | CN040 (Samsung) | 1 | 0402 |
| | CN100 (Samsung) | 1 | 0805,1206 |
| 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 |
| | CN100 | 0805, 1206 | 1.5 | 1.0 | \$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 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 |

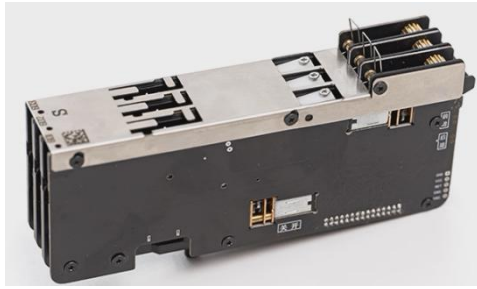
5. Warranty

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

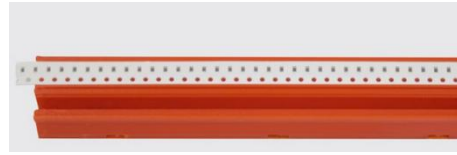
5.2. After the warranty period expires, parts will be replaced and repaired at cost price.

6. Details

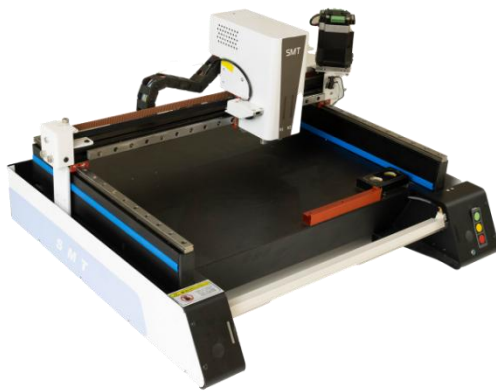
E-Feeder



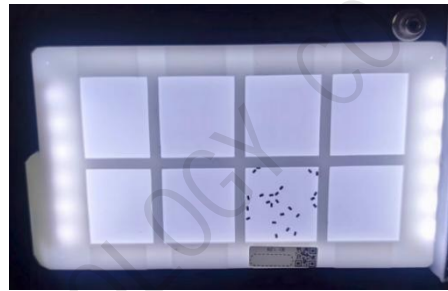
Bulk Feeder



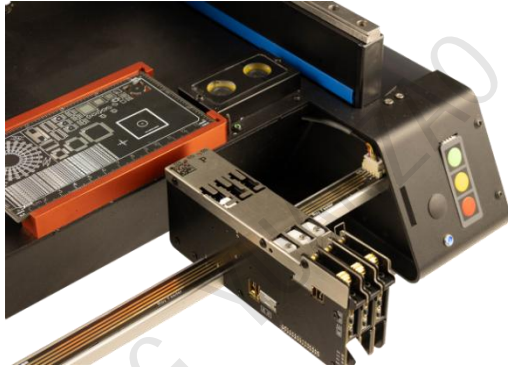
Equip



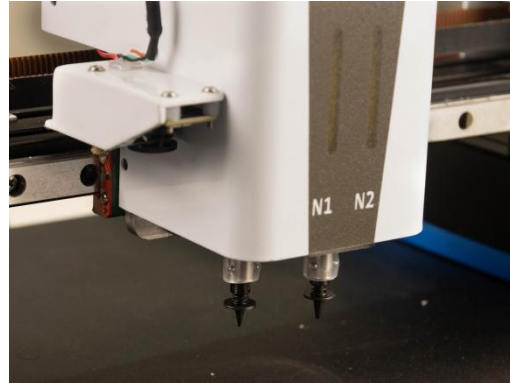
Bulk Vision Feeder



Triple Vision



Dual Nozzle



Samsung Nozzle



Nozzle Change Holder

