

Surface Mount System, Desktop Pick and Place Machine,  
SMT, 0402,5050,0603,**CHMT36**



Looking around the market, you hardly find a single machine which is simultaneously fast, flexible, accurate and cheap. All attributes must be traded off against one another.

Following our desktop pick and place machine CHMT36 introduced to the market, customers surprisingly find such a machine which is very easy use, small, flexible, with good Mounting capability and accuracy, meanwhile very cheap.

Yingxing tech, Desktop Smart placement machine CHMT36, would be your best choice!

## Specification :

Version	CHMT36
Applicable PCB	10mm*10mm~380mm*415mm
XY axis moving range	420mm*460mm
Z axis moving range	15mm
Placement head quantity	2
Mounting capability	7200cph
Mounting accuracy	±0.025mm
Applicable Components	0402-5050, SOP,QFN
Components supply configuration	Tape reel, Bulk package (IC)
Tape width	8mm,12mm,16mm
Feeders	29 (8MM=22,12MM=4,16MM=2,Bulk IC=1)
External Dimension	L 960mm* W 705mm* H 335mm
Vacuum pump	15-92KPA (Mute type pump)
Vacuum pump quantity	3 vacuum pump (One positive,two negative)
Power supply	220V,50Hz (Convertible to 110V)
Average working power	200W
Weight With the Package	75KGS
Packing size	0.51m

## Why Choose:

1) The customer who operates on a small-to-medium scale will tend to opt for such a small desktop automatic pick and place system which is very convenient and easy use even without a technical assistance.

2) If the number of boards does not exceed a few hundred per working day, such a small desktop placement may well be the best choice.

3) Consider about the cost efficiency, the small desktop placement reaches its maximum cost efficiency in the middle range of production volume, particularly where full-time working is not always guaranteed.

4) A further factor which affects the choice of system is the product mix: if the boards are all customer-specific boards, each with a short or unpredictable length of run, and if production must be flexible and capable of coping with frequent changes, such small desktop placement may be best.

5) Our small desktop pick and place machine is cheaper, and writing it off is less of a problem when faced with a fluctuating and highly differentiated demand.

6) Avoid human error, more accurate and faster.

### **Product Characteristics:**

1) The machine has Chinese or English version, which would be very user friendly for our foreign customers.

2) Coverfoil automated peel away device: Very convenient, and could make sure coverfoil peel away smoothly and without jerking from the tape, which could effectively prevent components jump out of the tape and jam the machine.

3) With 2 placement heads: 2 components could be picked and placed at the same time at every working stroke of the machine.

4) Could place components on the correct footprints with 360 degree orientation, and with required precision.

5) Automatic vacuum detection function, which could automatically recognize missing components, and remind user timely.

6) Could handle the mounting for 0402 and IC components with required precision, even without vision system. The self-developed Laser positioning principle is quite effective for this type of machine.

7) Self developed Software operating system which is integral to the machine, no need to (and can not) attach to a separate computer. 8G SD Card would be big enough for you to setup hundred thousands files.

8) Integrated type of feeders: No need to buy extra mobile feeder arrays, which is quite cost saving

9) Feeders are mechanized to automatically present the next component after the preceding one has been collected.

10) Easy and storability of programming, and high speed of changeover from one placement program to another.

11) The programming process is very simple and quick: use Protel tool to extract the PCB circuit coordinate file, and use the format transformation tool we provided to you to transform the file format, and then copy to the SD card, insert to the machine, then you could use the file directly.

12) Online programming function: could easily online programming if you don't have PCB circuit diagram.

12) Small and lightweight : simple installation, convenient transportation

13) Working power 200w: Environmental protection and energy saving .

## **Standard Accessories:**

- 1) Pick and Place Machine CHMT36: 1
- 2) 4 types of nozzle: Totally 4 (XS—1, S—1, M—1, L—1).
- 3) 8G SD Card: 1
- 4) Card reader: 1
- 5) Nozzle disassembly tool: 1sets
- 6) Adjustment tool for Nylon Spool Wheel: 1
- 7) Nozzle cleaning tool: 1 set
- 8) User manual: 1
- 9) PCB Coordinate file transformation tool: 1
- 10) Altium Designer: 1
- 11) Nylon Spool Wheel:5