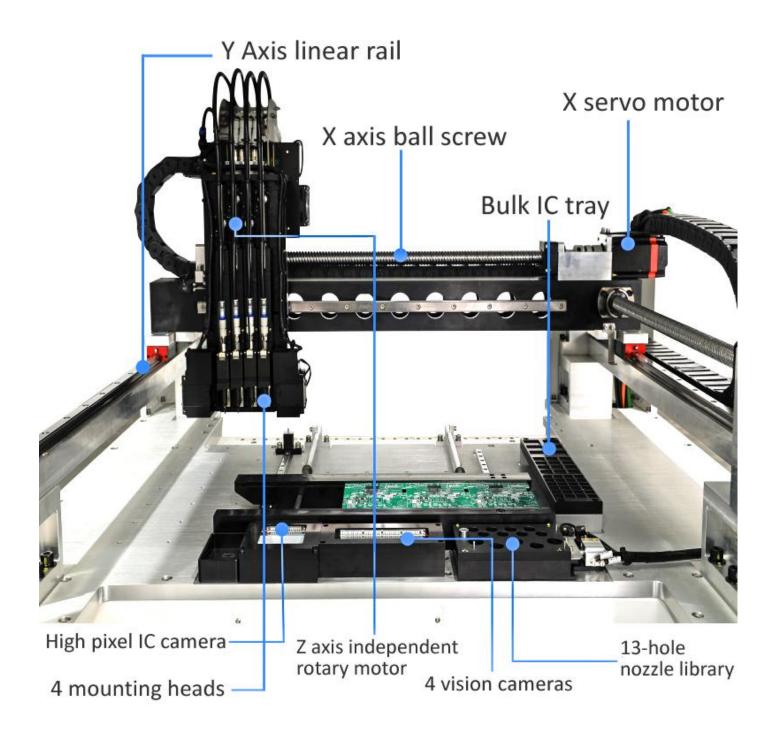
CHM-550 Specifications	
Dimensions	980(L)x1050(W)x880mm(H) / 980(L)x1050(W)x1360mm(H) - with base
Weight	190kg
Power Supply	AC220V (50Hz, single phase), 2.1kW
Air Supply	0.5MPa ~ 0.6MPa
Vacuum Generation	Japan PISCO vacuum generator
Mounting Head	4 Heads
<b>Mounting Speed</b>	6500cph(optimal)
<b>Mounting Accuracy</b>	±50μm@μ±3σ/chip
<b>Control Accuracy</b>	5μm
Component Height	12mm
Component Type	0201/0402/0603~5050/SOT/SOP/QFP/QFN/BGA, etc.
	(resistor/capacitor/diode/triode/LED/IC, etc.)
PCB Thickness	0.6mm~3.5mm
PCB Size	400mm(L)x300mm(W)
PCB Delivery	Manually
Nozzle Change	Automatic nozzle change (13-hole nozzle library)
Control System	Built-in industrial computer (Windows system)
	equipped with monitor, keyboard, and mouse
Drive System	X&Y axis driven by servo motors; adopting flexible S-curve acceleration and
	deceleration
Transmission System	Ball screw + linear guide
Feeding System	<b>50 Yamaha</b> 8mm standard pneumatic/electric feeder slots
	(also suitable for IC tray + stick/tube/vibration feeder)
Vision System	Snapshot camera x 4 (component size applicable: 14mmx14mm);
	IC camera x 1 (component size applicable: 25mmx25mm);
	Mark camera x 2





Without base With base

#### **CHM-550 Machine Structure**





#### Servo motor

Closed-loop control, more stable. Low heating, not out of steps, low noise high pulling torque, moving smooth, accurate, fast response.

#### Ball screw

High wear resistance, anti-aging and no deformation. Low noise.

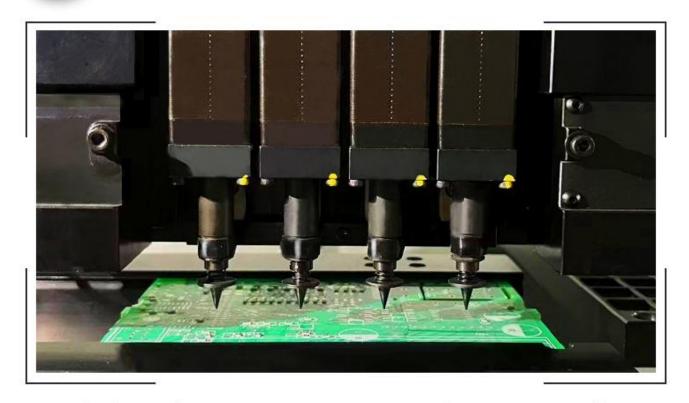




#### HIWIN linear guide rail

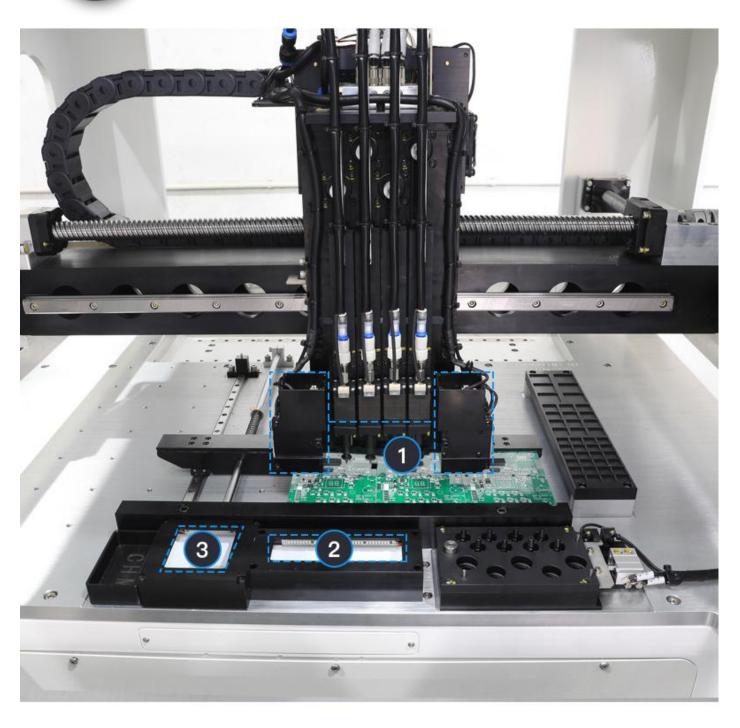
High precision, low noise. Long lifespan, high rigidity. High positioning accurate.

# 02 4 Mounting Heads

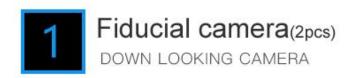


4 independent rotary motor, mounting at any angle.

# 03 High Pixel Vision Cameras





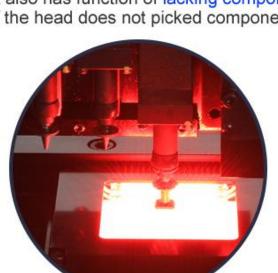


Double mark camera positioning the PCB fiducial point, make sure all components will be placed in the right positions.



This 4 cameras for Capacitors and Resistors. The cameras can auto corration the different components picked up by 4 different heads at the same time.

It also has function of lacking components detection if the head does not picked component.





IC camera max vision range 25x25mm

It can auto correation picking offset, the IC pin recognized by industrial high precision CCD vision system, make sure the mounting more accurate.

High accuracy, 0202 supported, support CPK test.

### 04 Auto Nozzle Exchange Library

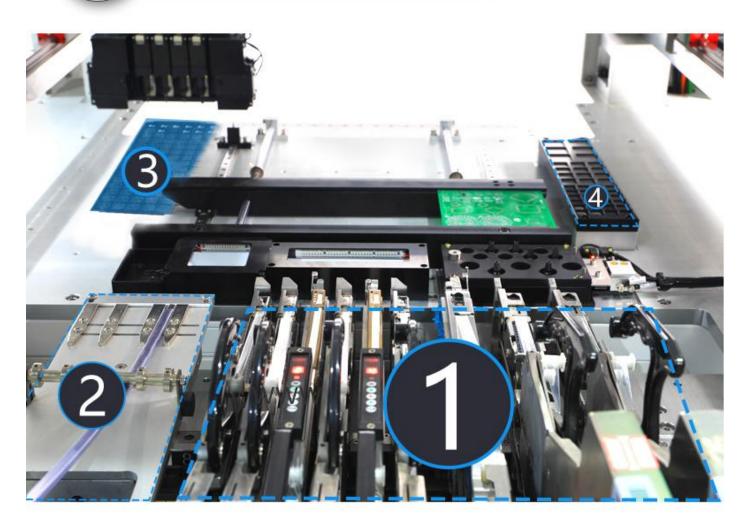


13 holes in nozzle library

### 05 PCB Clamping Area



#### 06 Feeding Mode









### Electric feeder & Pneumatic feeder ---Both supported

Option: 8mm/ 12mm/ 16mm 24mm/ 32mm/ 44mm



3 tube / 5 tube supported Amplitude and height can be adjusted







Supported one or more IC trays, only need to aim the first and last component in software. Very easy and convenient.



52pcs bulk IC positions, very good for lab researching or teaching. Very convenient.

