



Semi-automatic 6 Heads LED Pick and Place Machine

Technical Parameters

Model		HCT-330SV
Alignment		Flying Vision Alignment System
Number of Spindles		6 Spindles x 1 Gantry
Rated Placement Speed	Vision Alignment	LED 2835 36,000 CPH (Optimum)
Placement Accuracy		±0.05mm (Based on the standard chips)
Component Range	Vision Alignment	0603(inch)~5050~7474(mm), high-power LED, IC<10mm
	Max Height	H=10mm (can handle max. 18mm without vision alignment)
Board Dimension(mm)	Maximum	1,500(L) x 390(W)
Board Handling Method		Magnetic Fixture Worktable



Tape Feeder	Feeder Type	Electric Feeder
	Feeder Capacity	20 (12mm)
	Optional	8mm, 12mm, 16mm, 24mm
Utility	Power	AC 220V/240V 50/60Hz, Single phase
		Max 2.5KW
	Air Supply	Built-in Vacuum Pump
Mass		Approx. 1370kg
External Dimension(mm)		2,000(L) x 1,140(D) x 1,350(H)

Product Features

- High-accuracy: Each of the six pick-up heads is equipped with a FLYING vision alignment camera to guarantee high accuracy.
- High-speed: Maximum placement speed reaching 0.1s/chip.
- Places SMD components from 0603 to 7474, including resistors, capacitors, standard and irregularly shaped LEDs.
- Each mounting head has its own Z - direction servo motor, which is designed for vertical motion
- Suitable for all LED lighting products, including flexible PCB strips, circular LED light bulb boards and even irregularly shaped boards. Assembles LED PCBs up to 1.5 meters long in a single pass.
- Provide non-stop circulating production for small size PCBs.
- Using motorized feeders for stable and long-life feeding.
- Heavy marble platform support to ensure long-service life.
- Excellent quality hardware support by using international famous brands ensure placement repeatability and precision.
- Self-developed software simplifies production, easy operating and programming.

Excellent Quality Hardware Support

Ball Screws	KURODA / THK / NSK (Japan)
Linear Guide	HIWIN (Taiwan)
Servo Motors & Drivers	PANASONIC (Japan) / MOONS (China)
Stepper Motors & Drivers	MOONS (China)
Cables & Tank Chain	IGUS (Germany)
Solenoid Valve	CKD (Japan) / MAC (America)
IPC	Independent Research & Development



Attached 1: P&P Machine Standard Spare Parts List

No.	Specifications	Qty
1	Electric Feeder 8MM	6
2	Electric Feeder 12MM	6
3	Nozzles (504, 505, 506 each 6pcs)	18
4	Nozzle Central Spindle 吸嘴轴芯	6
5	Hexagon Wrench Tool 六角扳手	1
6	Feeder Stand 飞达料架	1