



Semi-automatic 8 Heads LED Pick and Place Machine

### Technical Parameters

Model		HCT-530SV
Alignment		Flying Vision Alignment System
Number of Spindles		8 Spindles x 1 Gantry
Rated Placement Speed	Vision Alignment	LED 2835 45,000 CPH (Optimum)
Placement Accuracy		±0.05mm (Based on the standard chips)
Mechanical Precision		±0.02mm
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 400(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 2.8KW
	Air Supply	Built-in Vacuum Pump
Mass		Approx. 1560kg
External Dimension(mm)		2,000(L) x 1,250(D) x 1,400(H)

### **Product Features**

- High-accuracy: Each of the eight pick-up heads is equipped with a FLYING vision alignment camera to guarantee high accuracy.
- High-speed: Maximum placement speed reaching 0.086s/chip.
- Each mounting head has its own Z - direction closed-loop stepper motor, which is designed for vertical motion.
- Places SMD components from 0603 to 7474, including resistors, capacitors, standard and irregularly shaped LEDs.
- 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.
- Built-in vacuum pump, no outside air source needed.
- 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	<a href="#">KURODA / THK / NSK (Japan)</a>
Linear Guide	<a href="#">HIWIN (Taiwan)</a>
Servo Motors & Drivers	<a href="#">PANASONIC (Japan) / MOONS (China)</a>
Stepper Motors & Drivers	<a href="#">MOONS (China)</a>
Cables & Tank Chain	<a href="#">IGUS (Germany)</a>
Solenoid Valve	<a href="#">CKD (Japan) / MAC (America)</a>
IPC	<a href="#">Independent Research &amp; Development</a>



## Attached 1: P&P Machine Standard Spare Parts List

No.	Specifications	Qty
1	Electric Feeder 8MM	8
2	Electric Feeder 12MM	8
3	Nozzles (CN110, CN220, CN400N each 8pcs)	24
4	Nozzle Central Spindle 吸嘴轴芯	8
5	Hexagon Wrench Tool 六角扳手	1
6	Feeder Stand 飞达料架	1