



HCT AUTOMATIC LED LENS PICK & PLACE MACHINE

### Technical Parameters

Model		HCT-V8
Alignment		Flying Vision Alignment System
Number of Spindles		8 Spindles x 1 Gantry
Placement Speed	<b>FOR LENS</b>	<b>18000CPH (Optimum)</b>
	For LED	40000CPH (Optimum)
Placement Accuracy		±0.03mm (Based on the standard chips)
Component Range	Vision Alignment	For all General lenses
	Max Height	H=12mm
Board Dimension(mm)	Minimum	50(L) x 50(W)
	Maximum	<b>1,200(L) x 460(W)</b>
	PCB Thickness	0.5 - 3.0
Board Handling Method		Inline Conveyor
Lens Feeding		<b>Customized Vibration Tray</b>



Tape Feeder	Feeder Type	Electric Feeder
	Feeder Capacity	20 (12mm)
Utility	Power	AC 220V/240V 50/60Hz, Single phase Max 3.2KW
	Air Consumption	0.55-0.7MPa (5.6-7.1kgf/cm <sup>2</sup> )
Mass		Approx. 1680kg + 100kg
External Dimension(mm)		2,000(L) x 1,400(D) x 1,400(H)

### **Product Features**

- High-accuracy: Vision On the Fly Alignment to guarantee high accuracy.
- With a SMEMA-compatible inline conveyor for line automation.
- Specially designed for LED lenses assembly.
- Customization vibration tray for feeding LED Lens.
- Can also place SMD components from 0603 to 7474, including resistors, capacitors, high-power LED, standard and irregularly shaped LEDs.
- Magnetic levitation linear motor (Servotronix) in X and Y axis for high repeatability and stability.
- Using imported high precision ball screw, motor, solenoid valve, cable, etc., effectively improve the placement accuracy and stability.
- 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>
Magnetic Levitation Linear Motor Driver	<a href="#">SERVOTRONIX (IRAQ)</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 Value	<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 (504, 505, 506 each 8pcs)	24
4	Nozzle Rubber Head	8
5	Hexagon Wrench Tool 六角扳手	1
6	Feeder Stand 飞达料架	1