

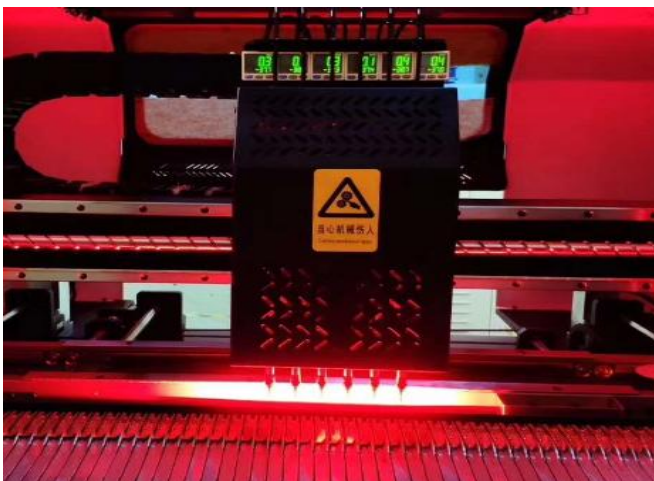
**I.C.T Multi-function LED Lens Pick and Place Machine Lens-8**



As a flexible pick and place for SMD is reinforced at Lens-8. With a head with one gantry and 8 spindles, Lens-8 can be used 0402 to 25mm IC parts. Lens-8 improved actual productivity and placement quality by using high speed and high precision electrically driven feeders.

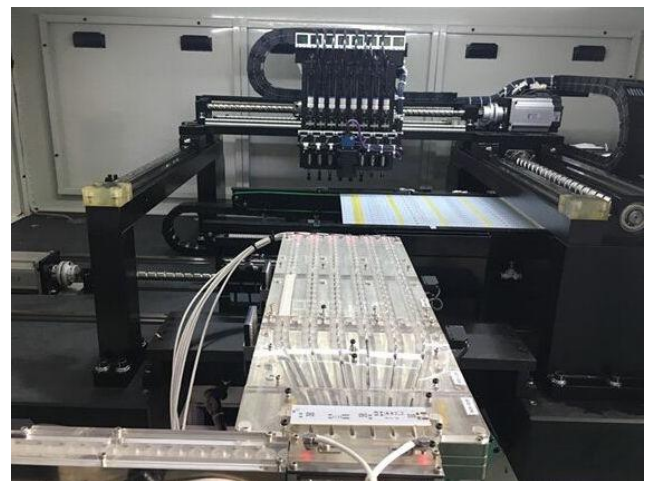
**Features:**

1. English operating system on the basis of imported placement machines to ensure the simplicity and convenience of the operator.
2. I.C.T unique mounting pressure control system, full closed-loop mount control system in Z-axis placement process to ensure the effective height and placement accuracy.
3. I.C.T exclusive image recognition system uses digital identification and equips with new industrial cameras.
4. Machine with vacuum pump, provide stable gas source, improve production quality.
5. The first domestically servo motor controlled independently arm with six heads to achieve a maximum speed 30,000 CPH, optimum placement speed and accuracy.
6. High precision hardware, imported top brands core parts to ensure placement precision, communication systems and so on.
7. Industrial-grade computer control and windows operating system.
8. Standard feeder with sensor to prevent components hip up to ensure safe operation.
9. Y-axis is driven by double servo motors to ensure long-term stability and high accuracy of the machine.
10. Three-stage transmission conveyor, the longest can correspond to 1200mm PCB.
11. High-speed flight vision system, 0 second recognition, improve production efficiency.



Vision system

Eight in-line high-precision cameras, multiple light sources, 0-second recognition technology, unique algorithm system, can effectively identify 0402-25mm parts.



Mount system

Eight high-speed heads, eight sets of guide rail and eight angle rotary motors can ensure high precision mounting, Six servo motors, the mounting height is fully closed-loop.



Feeding system

Fast plug-in interface, millisecond signal transmission. Guide groove design, easy to install. Electric motor feeder ensures high precision and high stability feeding.



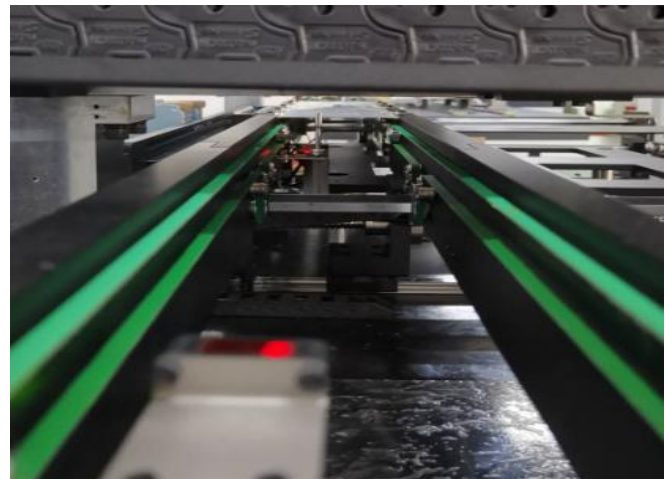
Driver system

Casting parts are used to ensure the stability of the machine. XY adopts servo motor and guide rail. Y axis adopts unique dual drive control to provide mounting accuracy and stability.



Table system

High precision screw support platform ensures PCB stable, motor driving life is high, which is conducive to follow-up maintenance, suitable for different PCB types.



Transport system

The three-stage transmission conveyor reduces the time of input and output PCB. The maximum length of 1200mm PCB can be achieved, and can be automatically widened.

**Application:**



**Materials List:**

No.	Item	Brand	Original
-----	------	-------	----------

1	Ball screw	THK	Japan
2	Linear Guideway	PMI	Taiwan
3	Servomotor&Driver	Panasonic	Japan
4	Sensor	OMRON	Japan
5	Magnetic valve	SMC, CKD, AIRTAC	Japan, Taiwan
6	Software	I.C.T	China
7	Switch	SMC, IDEC	Japan
8	Bearing	NSK	Japan
9	Soft Cable	IGUS	Germany
10	Tanks chain	IGUS	Germany

**Specification:**

Model	Lens-8(Online)
Speed(IPC9850)	Chip: 35000CPH, Lens: 20000CPH
Head Number	1
Nozzle Number	8
PCB Size	30*30~1200*300mm
PCB Thickness	0.4~6mm
PCB Warpage	<1%
Component Range	0402~25mm IC
Placement Accuracy	±50μm
Component Height	≤20mm
Feeder Inputs	30pcs(8mm)
Convey Time	5-8S
Transport Height	900±20mm
Transport Direction	Left-Right; Right-Left
Support System	Pin/Up-down table
Mark Types	Circle, Triangle, Square, Diamond, Cross
New Product Set-up Time	<10Mins
Air Pressure	4.5~6Kg/cm2
Power Supply	AC:220±10%,50/60HZ,2Kw
Control Method	PC Control
Dimension	L2000*W1200*H1500mm
Weight	Approx.1400kg

\* I.C.T keeps working on quality and performance, specifications and appearance may be updated without particular notice.

**Thanks for choosing I.C.T.**  
**I.C.T looks forward to win-win cooperation.**  
**Thank you.**