

High Speed LED Pick and Place Machine I.C.T HL2



Features:

1. I.C.T high speed pick and place machine is dedicated to assemble LED T5, T8 with long size, cater to the trend of FPCB in LED industry.
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. High precision hardware, imported top brands core parts to ensure placement precision, communication systems and so on.
4. Industrial-grade computer control and Windows operating system.
5. Standard feeder with sensor to prevent components hip up to ensure safe operation.
6. Integrated machine frame, welded into a whole by industrial class steel tubes and panels, greatly increase the stability.
7. Two modules and electric feeders, can mounting more kinds of components, and the capacity won't be effected by the ratio of chip to resistance.
8. Adopt linear motor and grating ruler to locate the position, make sure the machine mounting with high speed and high accuracy.



Mount system

32*2pcs high-speed heads, high-speed guide rail can ensure high precision mounting. Magnetic suspension linear motor driver. The nozzle position can be adjusted flexibly.



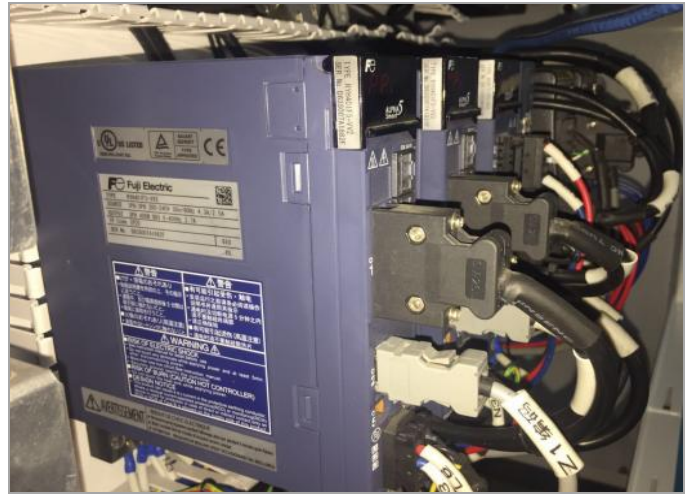
Driver system

Castings are used to ensure the stability of the machine. Linear motor is adopted. The grating ruler and code reader imported from Britain ensure the accuracy and stability.



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.



Control system

Googoltech high precision control card, Japanese and Korean servo controller, ensure high precision of transportation, mounting and transmission.

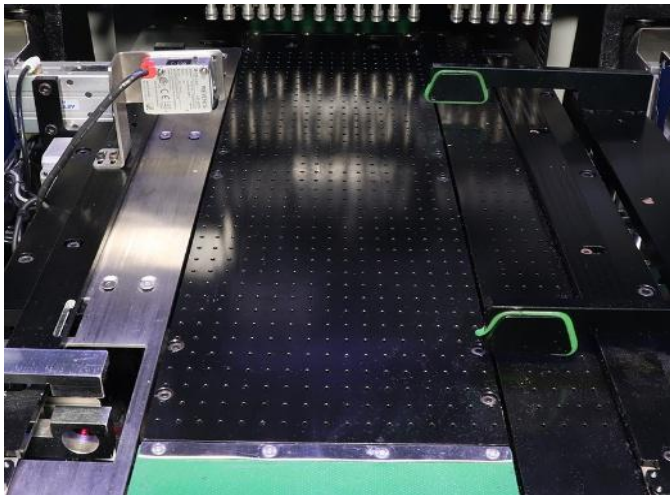
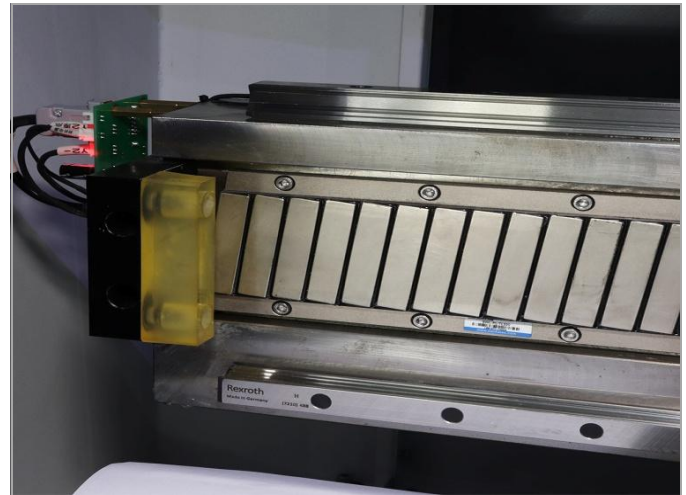


Table system

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.



Sport system

Germany Rexroth guide rail Y axis, Mounting Head Driver is Korea NS SYSTEM Maglev Linear Motor, Ensure repeat precision and high speed, Stable performance, zero maintenance, easy maintenance.

Materials List:

No.	Item	Brand	Original
1	Linear motor	NS SYSTEM	Korea
2	Linear Guideway	REXROTH	Germany
3	Servomotor& driver	FUJI	Japan
4	Code reader	RENISHAW	UK
5	Grating ruler	RENISHAW	UK
6	Motion control card	Googoltech	China

7	CCD Camera	SENTECH	Japan
8	Software	I.C.T	China
9	Power	MW	Taiwan
10	Controller	Schneider	France
11	Bearing	NSK	Japan
12	Soft Cable	IGUS	Germany
13	Tanks chain	IGUS	Germany
14	PC	LENOVO, DELL	China, Germany

Specification:

Head Number	2
Nozzle Number	32*2=64pcs
Feeder Type	Dual motor electric feeder
Vision System	5 sets of optical camera (Option: visual inspection for missing component alarm)
PCB Positioning	CCD visual, Mark point positioning
PCB Size	90*90~1200*320mm
PCB Thickness	0.5-5mm
Mounting Speed	250,000~270,000CPH
Mounting Accuracy	±0.03mm
Component Range	0805, 1206, 2835, 3014, 3528, 5050, 5630, 5730, RGB and other LED stripped material.
Component Height	10mm
Min Mounting Distance	6.5mm
Conveyor Speed	320mm/s
Conveyor Method	Belt
X/Y Axis Driver	Japanese Fuji Servo Motor
Mounting Type	Group Picking, Group Mounting
Electric Supply	3P 380V AC/50Hz
Power Consumption	5kw
Air Pressure	0.5~0.8Mpa
Dimension (L*W*H)	2600*2500*1550mm
Weight	2680KG

* 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.