

LED Strip Pick and Place Machine Max-60



Introduce:

I.C.T Max-60 is specially designed for LED soft board, it can mount 0.5m~infinite length soft board. Precise and smooth board feeding. Linear motor is used to drive the placement module, and the imported grating ruler is used to position the placement head movement, with high speed and accuracy. The integrated frame is welded by industrial grade steel pipe and steel plate, which greatly improves the stability of the machine.

Features:

1. I.C.T strip pick and place machine is dedicated to assemble LED FPCB with infinite length, cater to the trend of FPCB in LED industry.
2. Four modules and 64 electric feeders, can mounting three/four kinds of components at the same time, and the capacity won't be effected by the ratio of chip to resistance.
3. Adopt special accuracy and smooth input FPCB ways, which can solve the issue of input deviation, meet the demand of mounting RGB.
4. Adopt imported linear motor and grating ruler to locate the position, make sure the machine mounting with high speed and high accuracy. We promise to provide 2 years guarantee for the linear motor.
5. Integrated machine frame, welded into a whole by industrial class steel tubes and panels, greatly increase the machine's stability.



Mount system

32*2pcs high-speed nozzles, 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

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

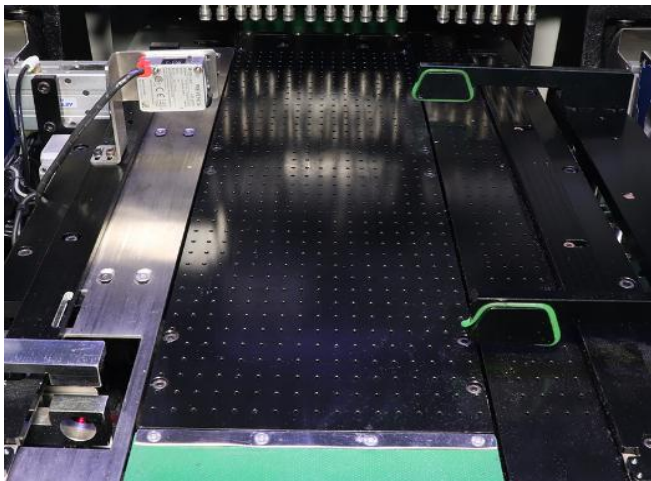


Table system

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.



Motion 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 Number	48/64pcs
Feeder	Dual motor electric feeder
Vision System	5 sets of optical camera, equipped with visual inspection for missing component alarm (Option: missing component automatically)
PCB Position	CCD visual, Mark point positioning
Max. PCB Size	W: 280mm, L: No limitation
PCB Thickness	0.3-5mm
Mounting Speed	250,000~270,000CPH
Mounting Accuracy	±0.03mm
Component Range	0805, 1206, 2835, 3014, 3528, 5050, 5630, 5730, RGB and other LED strip material
Component Height	10mm
Min Mounting Distance	6.5mm
Conveyor Speed	320mm/s
Conveyor Method	Vacuum Absorb+Positioning Cylinder Transmission
X/Y Axis Driver	Japanese Fuji Servo Motor
Mounting Type	Group Picking and Group Placing
Power	380V±10%/50Hz/3 Phase
Power Consumption	5.0KW
Air Pressure	0.5~0.8Mpa
Dimension (L*W*H)	2970*2500*1550mm
Weight	2680KG

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

Thanks for contacting with I.C.T.
I.C.T looks forward to win-win cooperation.

Thank you.