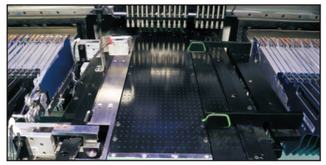
L4

无限长软板/无导线灯带专用贴片机

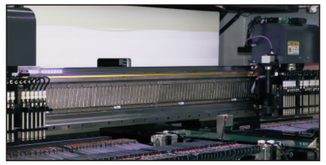
Infinite Length FPC/None Wire LED Strip Placement Machine

采用吸附式进板方式，配备先进的进板纠偏系统，每半米自动纠正进板偏差，提高贴装精度。
最多可同时贴装8种物料，产能不受物料比例影响，专为LED软板设计，可贴装0.5米至无限长软板。
精准及顺畅的进板方式，解决偏摆，可满足RGB的贴装需求。
采用直线电机驱动贴装模组，进口光栅尺定位贴装头运动，高速、精确，直线电机两年免维护，10年保修。
一体机架，由工业级钢管及钢板焊接而成，极大提高机器稳定性。

Adopting adsorption type feeding plate, equipped with advanced feeding plate rectifying system, every half meter automatically corrects the feeding plate deviation, improving the mounting accuracy.
Machine can place8 kinds of components(max) on the same time, special for the LED FPCB which is 0.5m to any length.
High precision and transport smooth, can solve the deflection problem and make sure RGB placement requirement.
Adopt imported linear motor and grating ruler to locate the position, make sure the machine mounting with high speed and high accuracy.
We provide 10 years guarantee for the linear motor.
Integrated machine frame,welded into a whole by industrial class steel tubes and panels, greatly increase the stability.

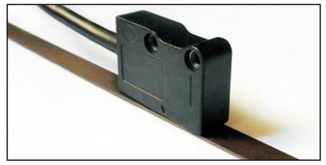


- 自动纠偏进板平台
- Automatic deviation correction PCB transmitting platform

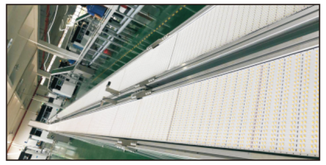


- 磁悬浮直线电机(10年质保)
- Maglev linear motor(10 years warranty)

- 德国力士乐导轨
- German Rexroth Guide Rail



- 高精度磁栅尺
- High Accuracy Magnetic Scale



- 贴装效果
- Mounting Performance

- 无导线灯带成品
- Finished Non-wire LED strip

技术参数 Features

型号(Model)	L4
PCB	
PCB尺寸/PCB Size	宽：255mm 长：任意长度 W:255mm L:Anylength
PCB厚度/PCB hickness	0.3-5mm
PCB 定位/PCB Positionning	CCD视觉，Mark点定位CCD visual,Mark point positioning
PCB传送速度/PCB Transmitting Speed	320mm/s
PCB传送方向/PCB Transmitting Direction	前→后 Front to Back
贴装/Monuting	
贴装头驱动/Mounting Head Driver	磁悬浮直线电机 Maglev linear motor
贴装头数量/Mounting Head Amount	2头 2Heads
吸嘴数量/Nozzles Amount	每头18个，共计36个 18 Pcs per head,totally 36 Pcs
贴装精度/Mounting Accuracy	±0.03mm
贴片速度/Mounting Speed	130000 - 150000 CPH
重复精度/Repeat Accuracy	±0.01mm
最小贴片间距/Min Mounting Gap	12.5mm
贴片元件范围/Components Range	0805,1206,2835,3014,3528,5050,5630,5730,RGB等LED带装料; 0805,1206,2835,3014,3528,5050,5630,5730,RGB and other LED stripped material
贴片元件高度/Component Height	10mm
飞达站数/Feeder Amount	标配54支(可选配72支)54PCS (72 PCS Optional)
飞达种类/Feeder Type	双马达电动飞达 Dual motor electric feeder
贴装模式/Mounting Type	群取群贴 Group picking and group placing
进出板方式/PCB Input/Output Method	真空吸附+皮带传送 Vacuum Absorb+Belt transfer
系统/System	
电脑系统/Computer System	Windows
操作软件/Operating Software	朗科独立开发 Independent R&D by Langke
视觉系统/Visual System	5套光学相机 5 sets of Optical camera
运动控制模块/Motion Control Module	朗科独立开发运动控制卡 Langke Independent R&D motion control card
X、Z轴驱动/X Z Axis Driver	日本富士电机 Japanese Fuji Servo Motor
工作要求/Working Requirement	
电源/Power	交流50HZ，单相220V±10%; 220V AC/50Hz/1 Phase
最大耗电量/Max Power	3.0 KW
气压/Air Pressure	0.5-0.8Mpa
工作环境温度/Temperature	23℃±3
尺寸及重量/Dimension	
外形尺寸/Dimension	2650*1500*1650mm
重量/Weight	1600Kg