

Automatic LED Printer

Function:

Automatic high precision LED long board solder paste printer.

Applications:

LED, communications, LCD TV, set-top boxes, home theater, car electronics, medical, power equipment, aerospace, aviation products / equipment manufacturing, and general electronic products production and processing.

Features:

1. PCB size range is wide, can support 80*50mm--1200*340mm PCB, thickness can be different

2. High precise printing resolution..

*High positioning accuracy, repeatability of positioning accuracy + 0.01mm, printing accuracy 0.025mm. Glue printing is support.

3. Fully automatic control can improve production efficiency, control quality and save cost:

*Auto stencil position;

*Auto PCB calibration;

*Auto scraper pressure adjustment;

*Auto Printing;

*Auto stencil cleaning(Dry clean, Wet clean)

4. The suspension printing head, developed independently by our own company, can timely feed back the pressure and automatically balance the scraper pressure, Accurate pressure control, can achieve perfect solder paste molding effect;

5. The programmable motor controls the separation speed and stroke of scraper and steel mesh, and can realize various demoulding methods flexibly.

6. Multi-function PCB fixed positioning system, PCB positioning convenient, fast and accurate.

7. Up&Down CCD positional system;

8. Built in image processing system

9. Support 2D ,SPC function.

10. SMEMA signal.

Printing range:

*SMT process resistors, capacitors, inductors, diodes, transistors and other SMD components production and processing.01005, 0201, 0402, 0603, 0805, 1206 etc.

*IC: support SOP, TSOP, TSSOP, QFN etc. Min. Pitch is 0.3mm;
Support BGA, CSP, Min. Ball diameter is 0.2mm.

*Printing size:80mm x 55mm ~ 1200mm x 340mm;PCB thickness:0.6mm ~ 6mm; FPC thickness:below 0.6mm (with jig)

Specifications

MODEL	CL-1200	CL-1500
Dimensions	2220(W) x 1220(D) X1500(H)mm	2600(W) x 1220(D) X1550(H)mm
Repeat Position Accuracy	±0.01mm	
Printing Accuracy	±0.025mm	
Printing speed /Cycle Time	<12s (Exclude Printing & Cleaning)	<15s (Exclude Printing & Cleaning)
Products Changeover	<5Min	
Min stencil size	1300mmX300(standard); 730mm X 300mm(optional)	1600mmX370(Standard); 730mm X 370mm(optional)
Max. stencil size	1500mm X 750mm	1800mm X 750mm
stencil thickness	20mm ~ 40mm	
Min.PCB size	80 X 55mm	100X55mm
Max. PCB size	1200 X 340mm	1500X340mm
PCB thickness	0.6 ~ 6mm(<0.6 need jig)	
PCB Warpage Ratio	<1%	
Bottom PCB clearance	15mm	
Edge of PCB clearance	3mm	
Conveyor Height	900±40mm	
Conveyor direction	L-R or R-L or L-L or R-R	
Conveyor speed	50 ~ 1200mm/sec (programmable)	
PCB position	Support method	Magnetic thimble / edge support block / flexible automatic thimble(optional)
	Clamping method	Elastic side clamp /Z press / vacuum suction (optional)
Printing head	Programmable electrically controlled printing head	
Scraper Speed	10 ~ 200mm/sec	
Scraper Pressure	0~30kg	
Scraper Angle	60°(Standard)/55°/45°	
Scraper Type	Steel(standard) / Rubber scraper	
Stencil Separation Speed	0.01~125mm/sec (programmable)	
Cleaning Method	Dry/Wet/Vacuum (optional)	
Table Adjustment Range	X: ±8mm;Y:±10mm;θ:±2°	
Camera System	CCD camera / telecentric concentric vision system / four way independent Coaxial / annular LED light source	
Air Pressure	4 ~ 6Kg/cm2	
Air Consumption	Approx.0.007m³/min	
Control Method	PC Control	
Power Supply	AC:220±10%,50/60HZ 1Φ 1.5KW	

Operation Temperature	*-20°C ~ +45°C	
Operation Humidity	30%~60%	
Weight	Approx:1500Kg	Approx:1800Kg

Images:



