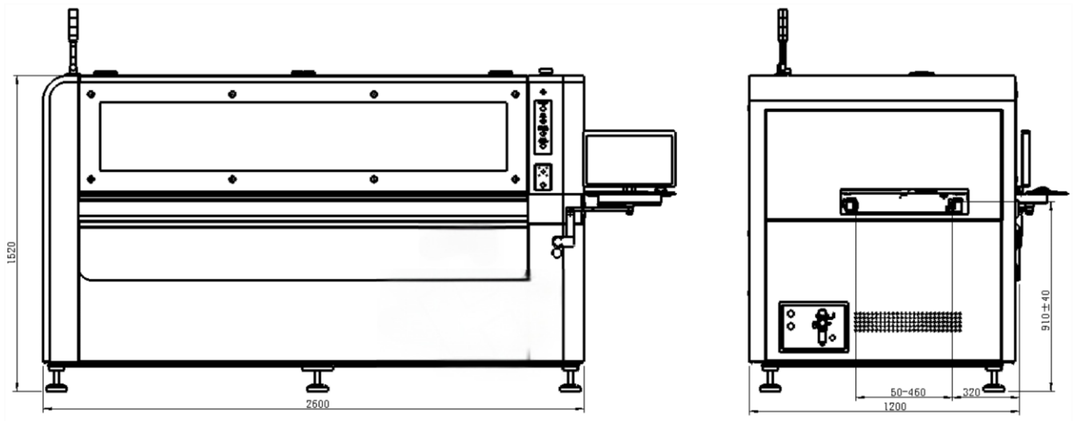
Product Size



Hipri-1500 Fully Automatic Screen Printer

Wide applications
Best Seller Global ly
Long board Printing

SPECIFICATIONS

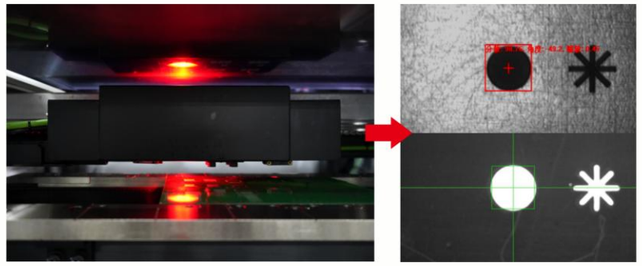
PERFORMANCE	
Machine Alignment Capability	2 ≤ Cpk @ ± 10 microns (at 6Sigma) (CNAS certification)
Process Alignment Capability	2 ≤ Cpk @ ± 25 microns (at 6Sigma) (CNAS certification)
Core Cycle Time	< 12seconds (Exclude Printing & Cleaning)
Product Changeover Time	< 5mins
New Product Set-up Time	< 10mins
BOARD HANDLING	
Board Size Range (mm)	80mm × 50mm -1500mm × 510mm
PCB Thickness	0.6~6mm (Fixtures below 0.6mm are required)
PCB Max Weight	5kg
Stencil Frame Size(L×W)	Standard: 737mm × 300mm -1500mm × 737mm
Stencil Thickness	20~40mm
PCB Edge Clearance	3mm
PCB Bottom Clearance	13mm
Clamping Method	Programmable motorized rear rail
	Top Clamping
	Side Clamping
	Vacuum Adsorption Function
Support Method	Magnetic Pin
	Side Support Block
	Auto Flexible Pin (Option)
	≦ 1% diagonal
PRINTING PARAMETER	
Squeegee Type	Steel/Rubber Squeegee Blade(angle 60°/55°/45°)
Squeegee Pressure	0~15kg Program control (standard)/digital display closed-loop pressure feedback (optional)
Printer Speed	10~200mm/sec
Snap-off Speed	0.01 ~125mm/sec (Can be programmed to 3 steps control)
Separation option	Separation after squeegee up;Squeegee up after separation
Conveyor Speed	100~1500mm/sec
Conveyor Direction	L→R,L→L R→L,R→R
Table Adjustment Range	X: ±4mm;Y:±6mm;0:±2°
Clean System	1. Drops of rain type cleaning system 2. Dry/Wet/Vacuum Modes
OPTICAL SYSTEM	
Field-of-View(FOV)	Standard：6.4 × 4.8mm（Can be customized10x8mm）
Fiducial Types	Standard Shape Fiducial, Pad/Hole
Vision Methodology	1. CCD Camera 2. Telecentric Concentric Vision System 3. Four Directions Independent Concentric 4. Annular LED Lighting Source
FACILITIES REQUIREMENT	
Power Supply	AC:220-240V, 50/60HZ 1Φ 3KW, 13A
Air Pressure	4-6Kg/cm²
Air Consumption	About 0.007m³/min
Operation Temperature	-20°C ~ +45°C
Operation Humidity	30-60%
Machine Weight	Approx:1800Kg
Approximate Dimensions	2600mm(L) × 1200mm(W) × 1550mm(H)
Operation System	Windows 10
Acoustic Noise Level	Less than 87dB
Certification standards	CE

STANDARD

BENTEC LTD

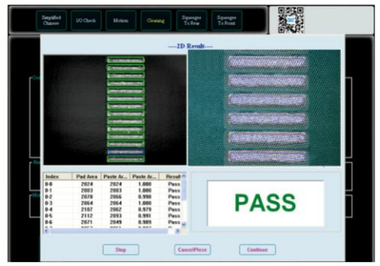
High Precision Printing Quality

Vision system



CCD camera Simultaneously look up look down, Intelligent adaptive lighting system optical ring uniform and high brightness of the coaxial light the need for specialized fiducial marks-any pad, from 0.5 mm to 3 mm, can be used as a fiducial mark. Multiple light source selection allows the vision system to work with a range of PC.

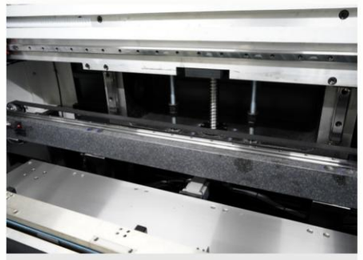
2D Inspect Solder



2D inspection and SPC tool are included. Real-time monitoring, data analysis and traceability feature to ensure optimum print quality.

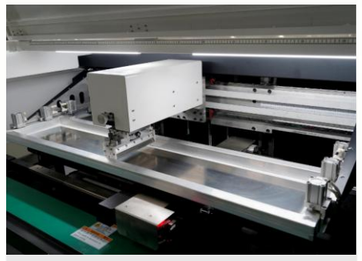
More Reliability & Efficiency

Patent Granite Structure



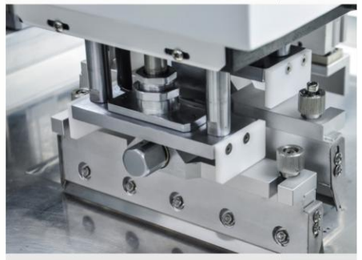
Granite structural parts to ensure that the equipment accuracy and long-term stability is not de formed.

High precision longboard printing



HCL series of unique long platformand track fixed design toensurestable suppor t for PCB. Shor t squeegee horizontal printing,pressure stability, save solde rpaste.

Individual Floating squeegees



Squeegee adaptive floating head, front and rear squeegee lift controlled by independent motor printing with constant pressure.

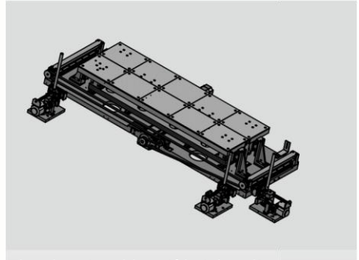
Rain-drops Cleaning System

The cleaning agent spraying device is able to accord to PCB size adjusting the filling amount and area automatically.

Integral Frame

High precision, high rigidity integrated frame body structure, to ensure long-term printing equipment stability.

Auto table adjustment for PCB thickness



The electric table seif height adjustment when catering to different PCB thickness.