

Item	X1	X2	Mark
Mask	Min. size (mm)		650x550
	Max. size (mm)		1300x950 1500x950
	Fix method		Cylinder
	Position		Automatic mask moving system
PCB	Min. Size(mm)		80X80
	Max. size(mm)		850x550 1220x600
	Thickness(mm)		0.4~11
	Max. weight(Kg)		8Kg 10Kg
	PCB Under Clearance(mm)		12~25
	PCB Fix method		Side Clamp (The force the motor can be adjusted by 30~100%) Top Clamp (0.15mm)
Print time	PCB Support		Magnet Support Pin(3mm,8mm); Magnet Support Curtain
	Speed(mm/Sec)		1~300mm/Sec
	Automatic Press Control(Kg)		4 ~ 20Kg (Squeegee PID Control)
Squeegee	Cycle time(Sec)		13 Sec 15 Sec
	Squeegee type		Fix-squeegee Option:Adjustable Squeegee
Accuracy	Length (mm)		L=400mm (50~360mm) L=460mm (50~420mm) L=460mm (50~420mm) Custom
	Alignment Repeated		±12.5µm@6s
	Printing repeatability		±25µm @ 6 Sigma, Cpk=2
	Transmit direction		left->left,right->right,left->right,right->left
3 segment Conveyor	Transmit method		Gear timing belt transmission, Auto-adjust width
	Standby		Two PCBs can wait for loading
Fiducial Camera	Type		User defined images
	Mark Size		0.5~3mm
	Mark Quantity		2,3or 4 Fiducial marks
Stage	Mark search		Auto
	Separation		Direct separation
	Speed		0.5~30mm/Sec
Cleaning system	Distance		0~5mm
	Type		Dry, Wet, Vacuum, Air
	Cleaning head		Silicon Pad
	Direction		X' Axis
2DI Check	Vacuum		10%~100% Adjustable
	Content		Small solder , No solder , Bridge
	Size		Over 0.2mm
3D Solder Paste Check	Check Image Quantity		Over 500
	Monitor solder paste in real time		Remind operators to add solder paste in time
PCB Scan Camera	PCB image scan		FOV 60X60mm
	SPI Printing Offset Feedback		Received the feedback information of bad printing from SPI
Display temperature and humidity	Temperature and humidity		Monitor in real time
	Manual Laser tooling		Placed according to the position indicated by red laser
Air blower	Cleaning vacuum		Vacuum cleaning
	Old Product change time		5 Min.
Change Time	New product setting time		10 Min.
	Air supply		4 ~ 6 Kg/cm²
Others	Power Supply		220V±10% Single Phase MAX 1Kw 50/60Hz
	Weight		About 1200Kg About 1300Kg
	Dimension(mm)		L 2139xW 1270xH1450 L2390xW1471xH1496
OPTION	Air Condition System		Automatic temperature control
	PCB vacuum fix		
	Stage vacuum		Vacuum 10%~100% Adjustable
	Mask vacuum		
	Auto Gripper tooling system		Accuracy within 2mm
	Automatic Solder paste supply		Z Axis Motor Control
	Long type conveyor		
	SecsGEMI/F		HIT
	Hermes I/F		HIT

High Performance Vision screen printer with Best platform

High speed screen printer with excellent quality assurance. Robust desian and the most convenient to the users.

HIT 520 X^{CE} SERIES



X1, X2



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Agent



Auto gripper tooling

In the case that there are a large number of precision components and irregular components on both sides of PCB, PIN can not be placed by manual. Via Auto gripper tooling the PIN can be positioned conveniently and accurately.

Large FOV scan camera

Scan the entire PCB image quickly. Set the mark and PIN position. No need to measure Mark coordinates by other tools. Save program production time and improve efficiency.



Automatic solder paste supply

Large extrusion torque, adjustable extrusion distance and speed and controllable solder paste quantity. The software calculates the stroke according to the PCB size automatically. Self-defined adding solder paste. Set the range of adding solder paste according to the opening size of the mask.

3D laser solder paste scan

The 3D solder paste laser sensor can monitor the amount of solder paste on the stencil in real time. Remind operators to add solder paste in time according to the set parameters.

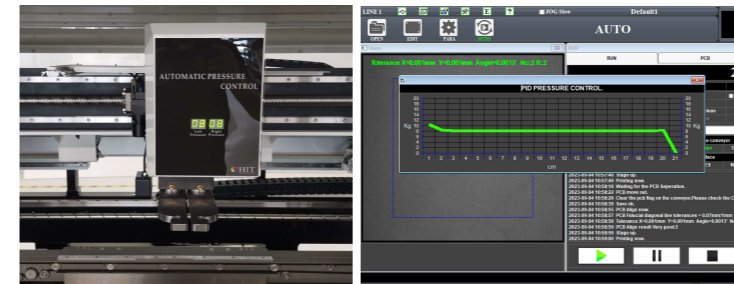


Standby function

Three segment conveyor, Two pieces of PCBs can standby, Save the cycle time and Improve productivity.

Automatic squeegee pressure control

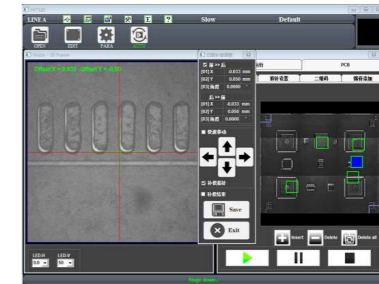
With precision pressure sensor and HIT developed PID control system, Set different pressure according to different products. Real-time adjustment is realized and the pressure of the squeegee is displayed on the panel.



Squeegee pressure graph

Visual offset Correction

For PCBs that have expanded and shrunk after printing, solder paste printing compensation can be adjusted by visual magnification image. The operation is simple and fast.



X Axis printing and cleaning system for long board



Compared with Y axis cleaning, The X axis cleaning with shorter width cleaning roll paper will be available. It can save more cleaning paper.

Adjustable Squeegee

Adjustable type of side guide - Printing Area can be controlled easily for actual PCB size.



Appearance

