

Item	X3	X5	Mark	
Mask	Min. size (mm)	736x736	1100x800	
	Max. size (mm)	1850x750	2700x1400	
	Fix method	Cylinder		
	Position	Automatic mask moving system		
PCB	Min. Size(mm)	80X80	150x150	
	Max. size(mm)	1550x600	2000x800	
	Thickness(mm)	0.4~11		
	Max. weight(Kg)	10 Kg	25Kg	
	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)	15 Sec	24Sec	
	Squeegee type	Fix-squeegee		
	Length (mm)	350mm	L=400mm (50~360mm)	
		460mm	L=460mm (50~420mm)	
560mm		L=460mm (50~420mm)		
Accuracy	Alignment Repeated	±12.5µm@6s		
3 segment Conveyor	Printing repeatability	±25µm @ 6 Sigma, Cpk=2		
	Transmit direction	left -> left, right -> right, left -> right, right -> left		
	Transmit method	Gear timing belt transmission, Auto-adjust width		
Fiducial Camera	Standby	Two PCBs can wait for loading		
	Type	User defined images		
	Mark Size	0.5~3mm		
Stage	Mark Quantity	2,3or 4 Fiducial marks		
	Mark search	Auto		
	Separation	Direct separation		
Cleaning system	Speed	0.5~30mm/Sec		
	Distance	0~5mm		
	Type	Dry, Wet, Vacuum, Air		
	Cleaning head	Silicon Pad		
2DI Check	Direction	X' Axis		
	Vacuum	10%~100%		
	Content	Small solder, No solder, Bridge		
3D Solder Paste Check	Size	Over 0.2mm		
	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		
	Temperature and humidity	Monitor in real time		
Air blower	Manual Laser tooling	Placed according to the position indicated by red laser		
	Cleaning vacuum	Vacuum cleaning		
	Old Product change time	5 Min.		
Others	New product setting time	10 Min.		
	Air supply	4 ~ 6 Kg/cm²		
	Power Supply	220V±10% Single Phase MAX 1Kw 50/60Hz		
OPTION	Weight	About 1400Kg	About 2500Kg	
	Dimension(mm)	L 2390xW1471xH1496	L3177xW1815xH1512	
	Air Condition System	Automatic temperature control		
	PCB vacuum fix	Vacuum 10%~100%		
OPTION	Stage vacuum	Adjustable		
	Mask vacuum	Adjustable		
	Auto Gripper tooling system	Accuracy within 2mm		
	Automatic Solder paste supply	Z Axis Motor Control		
	Long type conveyor	HIT		
	SecsGEMI/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<sup>CE</sup> SERIES



X3, X5

## Agent



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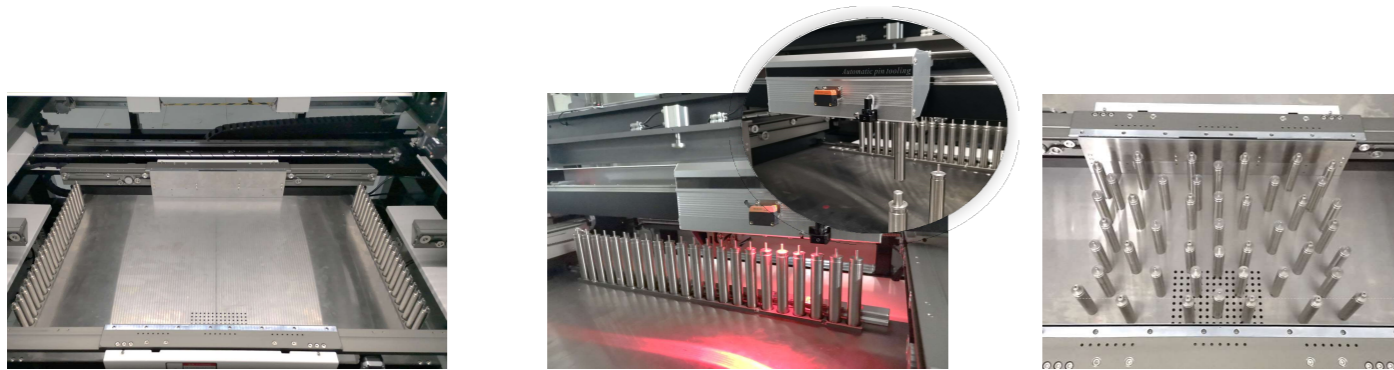
**Europlacer** *America*  
 Address: 30 Factory Road, Upton Industrial  
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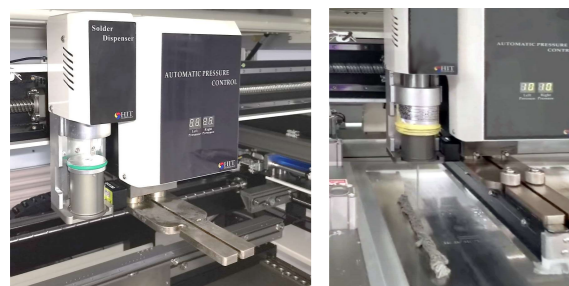


### Auto gripper tooling

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

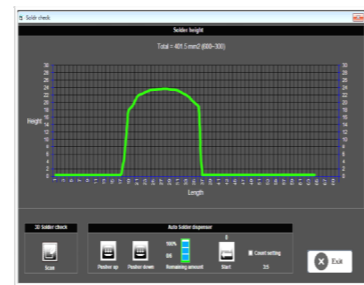
Large extrusion torque, adjustable extrusion distance and speed and controllable solder paste quantity. The software calculates the stroke according to the PCB size automatically. Self-defined adding solder paste. Set the range of adding solder paste according to the opening size of the mask.

### 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.



3D laser sensor



3D solder paste scan picture

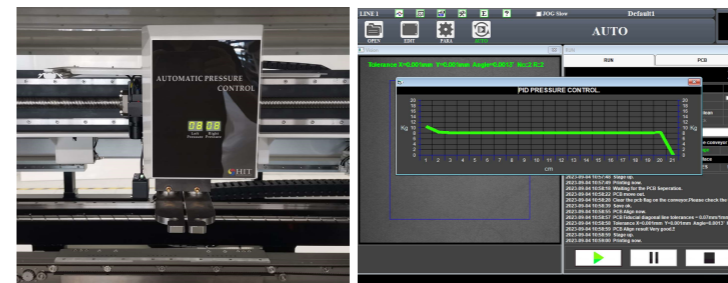


### Standby function

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

### Automatic squeegee pressure control

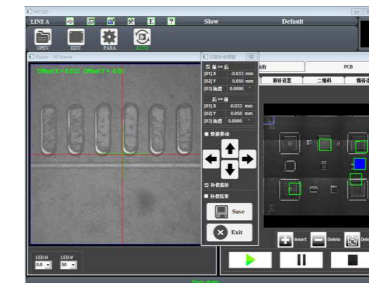
With precision pressure sensor and HIT developed PID control system, Set different pressure according to different products. Real-time adjustment is realized and the pressure of the squeegee is displayed on the panel.



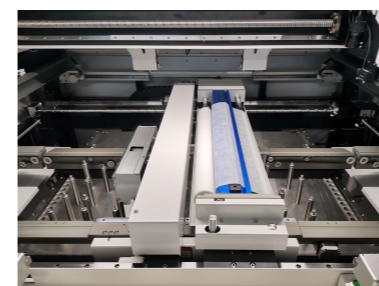
Squeegee pressure graph

### 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

