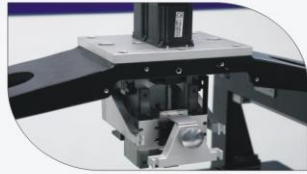# RIGHTPRINT
printers technologies

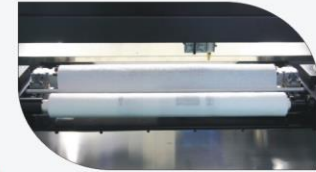## "Right" Automatic Vision Screen Printer
The Best Solution for SMT production
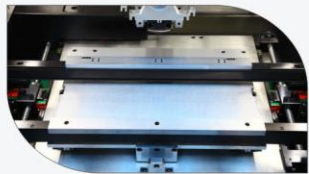High performance with the affordable cost

Squeegee System

· The arch bridge type of direct-connecting squeegee design can improve the stabilities and lifetime.
· Programmable floating print-head & self-adjustable
· Four sliders in two sides to ensure the accurary and stablities of the squeegees movement.
· Two independent print-heads are driven by two high precision stepper motors with the closed loop pressure control system.
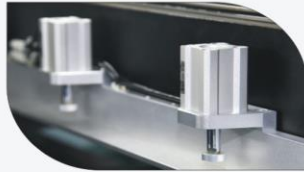
Auto Cleaning System

· The printer designed with 3 types of under stencil cleaning: Dry, Wet and Vacuum, the 3 modes can independently selected or combine for use or manual cleaning if need.
· The cleaning unit is separated from CCD camera, which can minimize the load to CCD unit for best accuracy on XY movement & extending the life.
· The sprinker system ensure the spray is uniform from top to bottom.

Stencil Positioning System

· Suitable for verious size of stencils.
· The automatic stencil positioning system for easy and quick model change over.

Operation System

· User-friendly interface, intuitive operation come with navigation function.
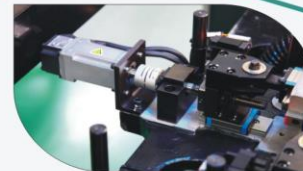· The guidance is available for every operation step.

· Belt conveyors.
· The conveyor speed is controlled by programmable motor and the PCB stop position is accurate.
· The flexiable side clampping and vacuum support system ensure the completely smooth contact between PCB & stencil.

PCB Transport & Clamping System

Vision System

· Adopted the uniform ring light and high brightness of coaxial light with the advanced look up & down vision system.
· The movement of CCD is driven by high precision of servo motor and the grinding screw shafts & rails.
· The capture of MARK point is automatic and accurate with full range of light compensation.

Print-Table Calibration System

· The direct connection platform is featured with high precision and rigidity of structure.
· The calibration platform will compensate the deviation through the slim & precise adjustment of X/Y/Z direction.

Optional items

· Auto Dispensing System
· Auto Barcode Scanning System
· Auto Solder Paste Feeding System
· Whole Line Closed Loop Controlling
· Constant Temp.& Humidity System
· Stencil Inspection System

RIGHTPRINT

A5
printers technologies

Specification

Item		Model	A6	AT	L8
Screen Frames		Min Size	470X370mm		650X650mm
		Max Size	737X737mm		850X850mm
		Thickness	25~40mm		25~40mm
PCB Min Size			50X50mm		80X50mm
PCB Max Size			510X340mm	510X510mm	650X610mm
PCB Thickness			0.4~6mm		0.2~6mm
PCB Warpage			<1%		
Transport Height			900±40mm		
Transport Direction			Left-Right;Right-Left;Left-Left;Right-Right		
Transport speed			Max 1500mm/S Programmable		
Board Location	Support System		Magnetic Pin/Up-down table adjusted/supportblock by hand		
	Clamping System		Side clamping,vacuum nozzle		
Print head			Two independent motorised printheads		
Squeegee speed			6~200mm/sec		
Squeegee Pressure			0~15kg		
Squeegee Angle			60˚/55˚/45˚		
Squeegee Type			Stainless steel(Standard),plastic		
Stencil Separation Speed			0.1~20mm/sec Programmable		
Cleaning System			Dry.Wet.Vacuum(Programmable)		
Table Adjustment ranges			X:±10mm;Y:±10mm;θ:±2˚		
Vision System			Look Up/Down Optical Structure,CCD Camera		
Field Of Vision			6.4*4.8mm		
Solder Paste Inspection			2D Inspection		
Repeat Position Accuracy			±0.01mm	±0.007mm	±0.01mm
Printing Accuracy			±0.025mm	±0.015mm	±0.025mm
Cycle Time			<7s(Exclude Printing & Cleaning)	<8s(Exclude Printing & Cleaning)	<11s(Exclude Printing&Cleaning)
Product Changeover			<5Min		
Air Required			4.5~6kg/cm²		
Power Input			AC:220±10%,50/60HZ 1φ3 KW		
Control Method			PC Control		
Machine Dimensions			1220(L)X1355(W)X1500(H)mm	1220(L)X1530(W)X1500(H)mm	1330(L)X1530(W)X1500(H)mm
Machine Weight			Approx:1000kg	Approx:1200kg	Approx:1200kg

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Specification

Item		Model	A5	A8	L12
Stencil Frames		Min.Size(X*Y)	470*370mm		737*300mm
		Max.Size(X*Y)	737*737mm		1500*750mm
		Thickness	25~40mm		
PCB Min.Size(X*Y)			50*50mm		80*50mm
PCB Max.Size(X*Y)			400*340mm(Option:510*340mm)		1200*350mm
PCB Thickness(mm)			0.4-6.0mm		
PCB Warpage			<1%		
Transport Height(mm)			900+/-40mm		
Transport Direction			L-R,R-L,L-L,R-R		
Transport Speed(mm/s)			Max.1500.Programmable		
PCB Positioning	Support Method		Magnetic Pin,Auto Up-down Table & Support block		
	Clamping Method		Side clamping,Vacuum nozzles		
Print Head			Two independent motorized print heads		
Squeegee Speed			6-200mm/s		
Squeegee Pressure			0-15kg(Program control)		
Squeegee Angle			60˚/55˚/45˚		
Squeegee Type			Stainless Steel or Plastic		
Stencil Separation Speed			0.1-20mm/s Programmable		
Cleaning Method			Dry,wet,Vacuum(Programmable)		
Table Adjustment Range			X:+-10mm;Y:+-10mm;θ:+-2˚		
Vision System			Look Up/Down Optical Structure,CCD Camera		
Field Of Vision			6.4*4.8mm		
Solder Paste Inspection			2D Inspection		
Repeat Positioning Accuracy			+-0.01mm	+-0.008mm	+-0.015mm
Printing Accuracy			+-0.025mm	+-0.002mm	+-0.03mm
Cycle Time			<7s(Exclude printing&cleaning time)		<15s
Product Changeover			<5min.		
Air Supply			4.5-6Kg/cm2		
Power Supply			1Phase 220VAC,50/60Hz 3KW		
Control Method			PC Control		
Dimensions(L*W*H)			1220*1355*1500(mm)		2200*1200*1500(mm)
Weight			Approx:1000Kg		Approx:1500Kg

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