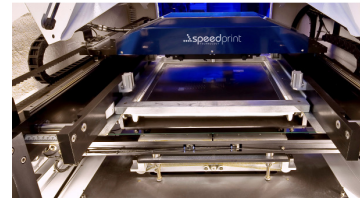
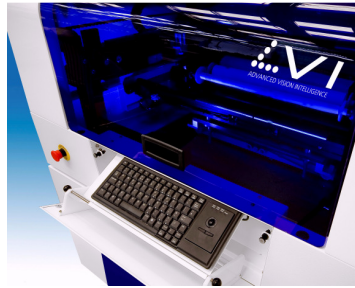


SP700avi

Inline stencil printer



technical specifications

Technical Data

SP700avi

Max board size	600mm(x) by 510mm(y)
Min board size	50mm x 30mm
Maximum PCB Weight	1Kg (2.2lb)
Underside component clearance	3mm - 15mm
Underside edge clearance	5mm
Minimum board edge clearance	3mm
Repeatability accuracy	20 µm @ 6 Sigma 2cpk
Max print area	600mm (x) x 510mm (y)
Max PCB thickness	Up to 8mm (0.2") including 1% warpage
Min PCB thickness	0.3mm Optional
X/Y PCB Alignment	±5mm
Radial PCB Alignment	±3 degrees
Stencil Image	Front and centre dedicated
Stencil load/unload	Automatic using print head
Stencil frame size (Max)	736.6mm [29"] x 736.6mm [29"] max frame height 40mm
Stencil frame size (Min)	584.2mm [23"] x 584mm [23"] max frame height 40mm
Squeegees	Metal or Polyurethane
Squeegee pressure	1 – 20kg
Squeegee control	Pneumatic using proportional valve
Print speed	5 – 250mm/sec
PCB separation speed	0.1 – 20mm/sec
Print Modes	Print/print, flood/print, print/flood
Transfer height	939.8mm [37"] – 965.2mm [38"]
Transfer height (Siemens)	830mm
Transport direction	Right-left, left-right, left-left, right-right
Transfer system	Single pair conveyors with round 3mm poly belt drive
Board clamping	Foils
Board stop	Mounted on camera and fully programmable
Throughput time	12.5 seconds (excluding print time)
Up/down line protocol	SMEMA (alternative interfaces available)
Conveyor orientation	Front rail dedicated
Conveyor width adjustment	Automatic
Conveyors	3mm "O" Ring
Power consumption	13 amps
Power supply	110V – 240V
Air supply	6 Bar clean air supply

SP700avi

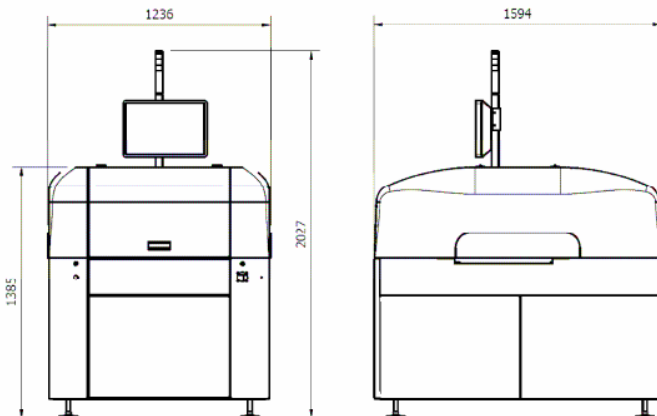
Inline stencil printer

PCB support	Manual magnetic pins, position indicated by laser dot
Vision	Look down/look down
Camera field of view	10mm by 10mm
Camera system	Dual roving camera
User interface	Flat screen LCD monitor with keyboard and integral tracker ball
Number of fiducials	2
Fiducial size	0.5 – 5mm
Fiducial location	Anywhere on the PCB
Stencil paste availability	Automatic measurement/alert
Weight	650kgs
Crated weight	800kgs

All details are subject to change without prior notice

Options:

23" – 29" Stencil Capacity
2D paste Inspection
2D+ Paste Inspection with Gerber import tool and bridge detection
Statistical Process Control (SPC)
Laser Guided Tooling
Flexi Tooling
Vacuum Board Support
Snugger PCB Edge Clamp
Vacunest™



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