SPEEDPRINT SP200avi SPECIFICATION

TECHNICAL DATA	SP200 avi
Max board size	450mm(x) by 400mm(y)
Min board size	25mm x 50mm
Maximum PCB weight	0.5Kg (1lb)
Underside component clearance	15mm
Underside edge clearance	5mm
Minimum board edge clearance	3mm
Repeatability accuracy	20 microns (six sigma, cpk=1.6)
Max print area	450mm x 390mm
Max PCB thickness	Up to 5mm (0.2") including 1% warpage
Min PCB thickness	0.4mm
X/Y PCB Alignment	± 5mm
Radical PCB Alignment	± 3 degrees
Stencil image	Front and centre dedicated
Stencil load/unload	Automatic using print head
Stencil frame size (max)	584mm x 584mm ((Adjustable without adaptors)
Stencil frame size (min)	300mm x 300mm
Under-screen cleaning	Vacuum fully programmable wet & dry
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	SMEMA

Transfer height (Siemens)	Optional
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 seconds (excluding process time)
Up/down line protocol	SMEMA (alternative interfaces available)
Conveyor orientation	Front rail dedicated
Conveyor width adjustment	Powered
Conveyors	3mm "O" Ring
Power consumption	13 amps
Power supply	110V – 240V
Air supply	6 Bar clean air supply
PCB support	Manual magnetic pins
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 PCB
Stencil paste availability	Automatic measurement / alert
Weight	500kgs
Crated weight	630kgs

OPTIONS

Automatic paste dispense - Max 1kg cartridge/ Min 0.5kg cartridge

Enclosed print cartridge - Paste puck

2D paste inspection

2D+ paste inspection with Gerber import tool and bridge detection
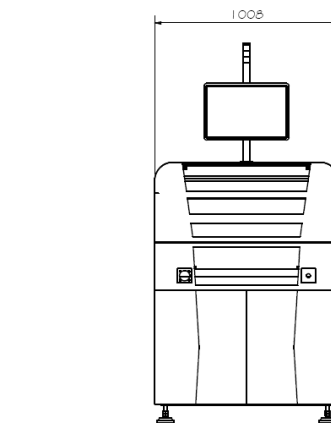
Statistical Process Control (SPC)

Vacuum board support
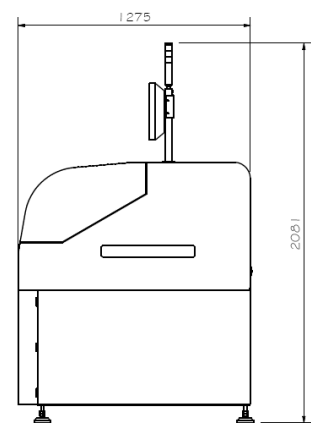
Laser guided tooling

Flexi tooling

Speedprint

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