

# ***SMTECH 100 MV***

**High Precision Screen Printer  
with Manual Vision Alignment**



**Advanced Vision Alignment**

**Easy-to-use Control Systems**

**Accuracy, Reliability, High Yield**

**Fine Pitch Capability**

**Compact Footprint**

**Machines upgraded to the latest specification**

**Factory reconditioned by ex-SMTech personnel**

# SMTECH 100 MV

## DETAILED TECHNICAL SPECIFICATION

Print area	400 × 450mm (15.7 × 17.7in) (twin squeegees) 420 × 450mm (16.5 × 17.7in) (single squeegee)
Screen frame size	508 × 508 × 25mm (20 × 20 × 1in) (internal dimensions)
Squeegees	Metal or Polyurethane 75mm to 470mm (3 to 18.5in)
Registration accuracy	±10 microns
X/Y screen alignment range	±10 mm (0.4in)
Radial screen alignment range	±4°
Resolution	Infinite
Squeegee pressure	0-15kg (0-6.8lb)
Print speed	10-70mm/sec (0.4-2.75in/sec)
Snap off (print gap)	0-25mm (0-1in) max, depending on tooling
PCB size	450 × 500mm (17.7 × 19.7in) max
Print modes	Print/Print, Print/Flood, Flood/Print
Number of depositions	1 or 2
Snap off speed	1-20mm/sec (0.04-0.8in/sec)
Cycle time (less print)	10 sec
Bottom side clearance	12.7mm (0.5in)
Minimum board edge clearance	Zero
PCB supports	Diameters from 2 to 16mm (0.08 - 0.62in)
Parameter storage	30 memory locations
Parameter Increments	Squeegee Pressure: 0.1Kg Print Speed: 1.0mm/sec Carriage position: 5.0mm Print gap: 0.05mm Snap off speed: 1% Process delays: 1sec
Control panel	Positive action membrane key pads Super high twist illuminated LCD
Print head location	4 point (2 software controlled electromagnetic)
Power supply	Single phase 80-240V, 50 or 60Hz
Power consumption	1Kw max
Air supply	5 bars clean air
Dimensions	Height 1000mm, depth 837mm, width 694mm
Options	Under screen cleaner Faster print speeds up to 210mm/sec Unlimited parameter storage using Sigmalink