EMST SP 20/20

Semi Automatic Stencil Printer

SP 20/20 Standard

SP 20/20 U
With Universal jig for double sided printing

The EMST SP 20/20 is an ergonomically designed, manual, bench top Stencil Printer with unique features for consistent and repeatable, high quality printing for SMT.

Specifications

Technical changes reserved.

	Metric	FPS
BOARD DIMENSIONS		
Max. PCB Print Area	306 mm x 406 mm	12" x 16"
Max. PCB Mounting Area	490 mm x 460 mm	19.3" x 18.1"
PCB Thickness	0.8 to 2.0 mm	0.031" to 0.079"
STENCIL DIMENSIONS		
Stencil Frame Size	Max. 559 mm x 559 mm	22" x 22"
	Min. 263 mm x 254 mm	10.35" x 10"
Stencil Frame Thickness	25.4 mm	1"
Print Reference	Center Reference	
SQUEEGEE/METAL SQUEEGE		
Squeegee Assembly	200 mm Standard	8" Standard
	Optional 100 mm	Optional 4"
	150 mm, 300 mm	6", 12"
Squeegee Material	Polyurethane/Metal	Polyurethane/Metal
Squeegee Pressure	0-3Kg/cm	0 - 43.7 PSI
BOARD POSITIONING		
X and Y Adjustment Range	10 mm	0.39"
Theta Adjustment Range	±1.5 Deg.	±1.5 Deg.
AIR		
Air Pressure	5 Kg/cm	70 PSI
DIMENSIONS		
Length	900 mm	35"
Width	700 mm	27"
Height	430 mm	17"
Weight	85 Kg	187 lb

SHIPPING DETAILS : Box Size	L	x	W	x	H (In cms)	CBM	Gross Wt.
SP 20/20 Standard	113		92		66	(0.68)	165KG
SP 20/20 Universal	113		92		66	0.68)	175Kg

PCB HOLDING

Standard Machine	-	Edge Clamping
Universal Machine	-	Tooling Pin Clamping

Manufactured by

EMS TECHNOLOGIES PVT. LTD.

S. No. 43/3, New Gat No. 322, Plot No. 1,
Pirangut,Tal. Mulshi, Dist. Pune - 412 115 INDIA

EMST Marketing Pvt. Ltd.

Sold & Serviced by

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HIGH PRECISION
- High precision linear guideways for squeegee support.
- Bearing support for stencil frame holder.
- Surface grounded PCB table ensures very high quality printing.

REPEATABILITY
- Squeegee pressure is controlled and can be adjusted by pneumatic cylinder.
- Squeegee pressure can be varied with a front panel pressure gauge, assuring consistent printing.
- Stencil frame up/down movement is pneumatically controlled by a front panel switch which assures Smooth snap - off of stencil from the board.
- Stencil frame repeatability is within 20 microns, adding to the repeatable printing quality.
- Rigid clamping of PCB holding plate.

FLEXIBILITY
- Dual squeegee head for bi-directional leading edge printing for clear prints.
- Adapter bars to mount different stencil frame sizes.
- Single point Z- axis adjustment for PCB thickness variations.
  Four different squeegee assemblies to cater to different board widths (optional).
- SP 20/20 U with universal jig for double side printing.

EASE OF SETUP AND OPERATION
- Independent X, Y, and Theta adjustments and locking ensures rigid clamping of PCB resulting in excellent repeatability.
- Optional tooling for double sided printing.
- Front panel pneumatic switched for frame up/down and squeegee selection for forward/reverse strokes.

Owing to continuous Research and Development, specifications are subject to change without notice.