

SX-300M

PRECISION SCREEN PRINTER

Manual solder paste & red glue printing



300 x 400 mm

Workbench size

250 x 400 mm

Maximum printing area

±0.01 mm

Specified repeatability

Precise setup. Flexible PCB positioning.

Designed for solder paste or red glue printing on single- and double-sided circuit boards. A perforated aluminum workbench, movable support pins and fine X/Y adjustment provide flexible positioning in a compact manual machine.

Technical Specifications

SX-300M | Manually operated screen printing table

Printing & Positioning	
Model	SX-300M
Workbench size	300 x 400 mm
Max. printing area	250 x 400 mm
Max. screen frame	370 x 470 mm
Printing speed	Manual control
Workpiece thickness	0-80 mm
Workbench adjustment	10 mm, vertical / horizontal
Repeatability	±0.01 mm
Positioning method	Board outline or reference hole

Dimensions & Weight	
Platform height	220 mm
Overall size (W x D x H)	540 x 370 x 380 mm
Net weight	21.15 kg
Gross weight	22.075 kg
Package size	610 x 450 x 220 mm

Included Accessories	
Positioning needles	Ø1 / 1.5 / 2 / 2.5 / 3 mm; 5 pcs each
Support pins	20 pcs
Fixed plates	2 pcs
Allen keys	1 set
Instruction book	1 pc
Quality certificate	1 pc

Built for practical adjustment

Rigid support

Thick steel plate base with a welded structure and four adjustable feet for stable installation.

Secure frame clamping

Four rotary clamping knobs and a pressure plate hold the printing frame in place.

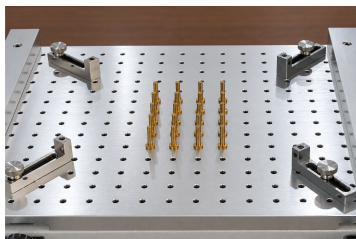
Flexible board location

Movable pins, rods and fixed plates support repeatable positioning for different PCB layouts.

Height adjustment

Threaded stencil supports adjust the frame height and printing clearance.

Precision in Every Adjustment



01 Working plate

Perforated aluminum workbench with movable support pins and fixtures for flexible PCB positioning.



02 Fine adjustment

Knurled rotary controls allow fine X/Y alignment of the workbench with the printing stencil.



03 Height control

Stainless-steel knurled adjusters set stencil height to suit the board and printing clearance.



04 Counterweight

The adjustable balance weight supports convenient positioning of the raised screen frame.

Setup & Printing Workflow

1 Install & level

Place the machine on a firm, level surface. Adjust the four feet, install the stencil frame and set the counterweight position.

2 Locate & align

Position the PCB with the locating needles and support pins. Adjust stencil height and fine X/Y alignment, then lock the workbench.

3 Print & adjust

Use properly prepared solder paste or red glue and a suitable scraper. Adjust the stencil-to-board clearance as needed to control the deposited amount.

4 Clean & protect

Clean the stencil, scraper and machine after use. Handle the frame gently and protect the locating needles when loading or removing the PCB.