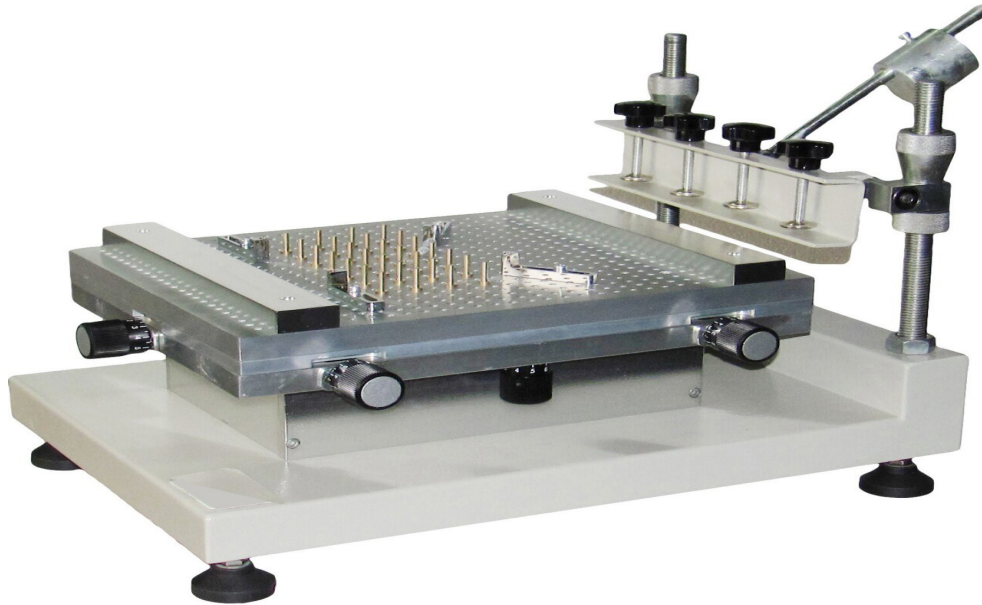


## STP-250 High Precision Stencil Printer



### Description

The STP-250 is used for PCB board screen printing high precision and flexibility, which is easy to operate, user friendly and very durable.

### Features

- The same platform as printer can be selectable, easy to locate both single and double sided PCB, high flexibility to ensure high printing precision.
- The steel stencil can be rotated 30 degrees at most, and the precision can be kept all the way when repeated works, can be comparable with automatic stencil machine.
- Using the way of steel stencil knob to adjust the best position, combining with the fine adjustment of X-axis,Y-axis to correct, convenient and efficient.
- The frame made of thick sheet metal, finest material, good quality without standing durability
- The brackets used bolt bar to adjust the height, which is very convenient to control the thickness of the PCB.

Specification	
Model:	STP-250
Dimensions(L×W×H):	21.25'' × 14.5''× 13.75'' (inches)
Platform Size:	11.8'' × 15.75'' (inches)
PCB Size:	9.84'' × 15.75'' (inches)
Template Size:	14.5'' × 18.5'' (inches)
Printing speed :	Manual control
PCB Thickness:	0~3.15'' (inches)
PCB Tuning range Front/ Side:	+0.4'' (inches)
Platform height:	9.5''(inches)

Repeatability:	±0.01mm
Positioning mode :	Outside/Reference hole
Weight Approx.	77lbs

**Note:**

- Check if the four foot pads cling the ground before operating, to ensure the stencil printer is smooth and steady without shaking.
- Clean the top surface to ensure there is no residue or dust on the stencil printer.
- Confirm the working area, PCB boards and steel stencil in which need to print.

**Operate it according to the following instructions below completing the notes above.**

A. PCB Positioning

- View the position between the PCB board and the steel stencil, find out the most suitable position to locate the PCB board on the stencil platform.

Suggestion: paste a bit double sides adhesive tape to stick the PCB well if the position between PCB and steel stencil confirmed.

- Install the steel stencil on the locating slot of the frame. Paste more double sides adhesive tape on the reverse side of the PCB board than the steel stencil.
- Then pressing the steel stencil
- Install the filler in the appropriate place between the platform and PCB board
- Adjust the distance between the steel stencil and filler till the same thickness as the PCB board (anastomose the PCB and filler), to ensure the PCB board and filler is parallel
- Tear the paper of double sides adhesive tape which pasted previous on the PCB board
- Close the steel stencil till the PCB board cement with the filler
- Lift the steel stencil
- The PCB separated from the steel stencil and paste together in the filler of platform
- Find out the applicable positioning pin and install them into the fixation unit (the height of positioning pin do not exceed the thickness of PCB board)
- Lock the fixation unit tightly on the platform after positioning pin installed into the fixation unit with the fastening screw, the PCB positioning operatio almost finished
- Adjust the best position between the platform and PCB by using the X-axis adjustment handle and the Y-axis adjustment handle.

B. Printing

- Choose an suitable squeege (depends on the width of printing) when printing, keep the screws tight of the whole printer.
- The thickness of solder paste depends on the printing strength, an operator can reach the same effectiveness as an automatic stencil machine, it means the operator is one of the important point for printing quality.
- The above process is from one our engineer and customers during practical using since a long time for your reference.