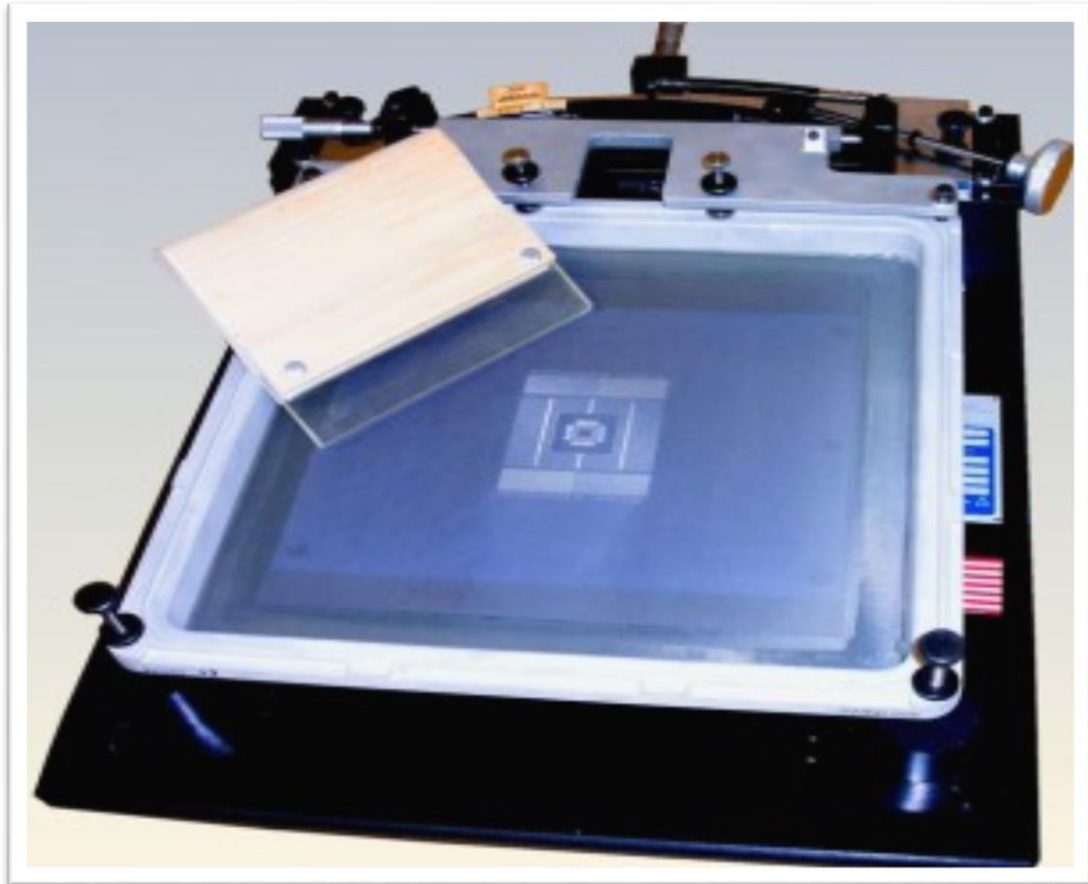




## Manual Screen Printer Model MSP-088



**An inexpensive but capable printer that can be a learning experience, a laboratory R&D tool, or a small scale process enhancement development machine.**

Offering many of the same process frame mounting, print alignment and substrate tooling components used in production equipment, the MSP-088 is an excellent learning tool. Setting snap-off, adjusting the screen in the X, Y and T axis, vacuum hold down and substrate registration are all screen printing parameters that can be scaled up to production equipment.

As an added bonus, the toolplate and screen frame used on the MSP-088 are identical to those required on the HMI Model [MSP-485](#), a semi-automatic precision screen printer. Develop your process on the MSP-088 in the lab and transfer the tooling, screen and setup parameters directly to a production environment.

The squeegee on the MSP-088 is manually drawn across the screen. While this may introduce a learning curve requirement for proper performance, it also allows the operator to rapidly adjust, and therefore learn the consequences of, squeegee speed, squeegee pressure, angle of attack and edge effect. It is literally, a hands-on experience.



The MSP-088 has scale up potential and combines production line results with an entry level price tag.

**Key features include:**

- Manual Squeegee
- Manual Screen Alignment
- Bolt-on Screen Frame Attach
- Table Top Configuration

**Specification**

Machine Dimensions (W x D x H)	15" x 20" x 5" (0.38m x 0.51m x 0.12m)
Machine Weight	36 lb (16 kg)
Controls	Mechanical
Vision Alignment	N/A
Print Head	Manual blade holder with 5" x 3/8" x 3" polyurethane blade
Squeegee Drive	Manual
Substrate Transport	N/A
Screen/Substrate Alignment Method	Screen position adjustment
Carriage Position Repeatability	N/A
Screen Position Adjustment	Mechanical, $\pm 3^\circ$ rotation (vernier), $\pm 0.25"$ X (micrometer), $\pm 0.375"$ Y (micrometer)
Screen Frame Attachment	Bolt-on
Operator Interface	Manual
Configuration	Tabletop

**Maximum Print Capabilities**

Maximum Screen Size (ID):	12" x 12" (304mm x 304mm)
Maximum Substrate Size:	8" x 8" (203mm x 203mm)
Maximum Print Area:	8" x 8" (203mm x 203mm)