



MSP-9156PC Automatic Screen Printer

The MSP-9156 Automatic Screen Printer is recommended for highest precision, semi-automatic, or fully-automatic screen printing over a maximum 16" x 16" (406mm x 406mm).

All the precision elements of the [MSP-9155](#) and [MSP-9155PC](#) are now combined with a fully automated vision system. The manually adjusted tooling stage is replaced by a servo driven tooling stage. The servo adjusted axis mechanisms allow the vision system to move the stage as required to precisely align the screen to the substrate. Combined with an optional programmable print head, the entire printer can be controlled through the Graphic User Interface (GUI).

The MSP-9156 can be a fully automated stand-alone printer or it can be fully integrated into an automated assembly process.



Key features include:

- Computer control system and operator GUI
- Recipe storage and retrieval
- Electric servo squeegee drive
- Programmable squeegee head options
- Future upgrade path to MSP-9156PC
- High precision, automatic alignment

Specifications

Machine Dimensions (W x D x H)	58"W x 58"D (1.48mW x 1.48mD)
Machine Weight (Approximate)	1150 lb (525kg)
Controls	Pentium™ computer with Windows 2000, automatic setup recipe storage and retrieval
Vision Alignment	Automatic alignment
Print Head	Mark III Torsion Bar squeegee head See other options
Squeegee Drive	Electric servo motor
Substrate Transport	Reciprocating workholder carriage
Screen/Substrate Alignment Method	Micro-stepper motors X, Y, Ø
Carriage Position Repeatability	±0.0002" (±0.005mm)
Screen Position Adjustment	Motorized stage
Screen Frame Attachment	Bolt-on
Operator Interface	GUI, computer keyboard and monitor
Configuration	Standalone

Maximum Print Capabilities

Maximum Screen Size (ID):	20" x 20" (508 mm x 508 mm)
Maximum Substrate Size:	16" x 16" (406 mm x 406 mm)
Maximum Print Area:	16" x 16" (406 mm x 406 mm)