



MSP-1826PC Automatic Screen Printer



The MSP-1826 takes the MSP-1825PC to the next level: full automation.

All the precision elements of the [MSP-1825](#) and [MSP-1825PC](#) 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-1826 can be a fully automated stand-alone printer or it can be fully integrated into an automated assembly process.

Key features include:

- Electric Servo Squeegee Drive
- Automated Vision Alignment w/Motorized X, Y, T Positioning Stage
- Pneumatic Clamping Screen Frame Attach
- Graphic Operator Interface, Keyboard and Monitor
- Computer Control System w/Setup Recipe Save and Restore
- Stand-alone, In-Line Capable Configuration



Specification

Machine Dimensions (W x D x H)	66" x 75" x 60" (1.68m x 1.91m x 1.53m)
Machine Weight (Approximate)	1550 lb (705 kg)
Controls	Computer Control
Vision Alignment	Automatic
Print Head	Mark III Torsion bar squeegee head
Squeegee Drive	See other options
Substrate Transport	Electric servo motor
Screen/Substrate Alignment Method	Reciprocating workholder carriage
Carriage Position Repeatability	Motorized stage; micro-stepper motors for X, Y, Ø
Screen Position Adjustment	±0.0002" (±0.005mm)
Screen Frame Attachment	N/A
Operator Interface	Bolt-on
Configuration	GUI, computer keyboard and monitor
	Standalone

Maximum Print Capabilities

Maximum Screen Size (ID):	29" x 29" OD (736mm x 736mm)
Maximum Substrate Size:	21" x 21" (533mm x 533mm)
Maximum Print Area:	18" x 20" (457mm x 508mm)