



MSP-9155PLC Precision Screen Printer



The MSP-9155 is a semi-automatic screen printer designed for large area print applications that require a high resolution, reliable result.

The MSP-9155 is the next step up in the precision screen printer industry. Its ability to accommodate the larger 20×20 screen frame without sacrificing registration or print quality make it an integral part of the large area, small tolerance production and developmental electronic assembly industry.

The MSP-9155 has a manually adjustable stage for holding, locating and aligning the substrate for print. The stage offers precise incremental changes in "X", "Y" and "T". The "T" or theta axis is a true rotation about the center of the stage. This allows for rotational adjustment without affecting the X and Y position settings.

The printer can be customized to accommodate large area LTCC, wafer fabrication, PCB and flexible substrate production. The MSP-9155 is managed by a programmable logic controller (PLC) processing system. Various printer functions can be selected and set using the PLC interface. Other printer setup adjustments can be made manually where incremental, repeatable and lockable controls are provided. Custom designed hold down and tooling is available. The printer can also be fitted with a manual vision system.



Key features include:

- Aqueous Squeegee Drive
- Manual Substrate Alignment X,Y,T Screen Alignment
- Bolt-on Screen Frame Attach
- LCD Programmable Touch Screen Operator Interface
- PLC Control System
- Stand-alone, In-Line Capable Configuration

Specification

Machine Dimensions (W x D x H)	58" x 58" x 60" (1.48m x 1.48m x 1.53m)
Machine Weight (Approximate)	1150 lb (525kg)
Controls	Industrial PLC
Vision Alignment	Manual
Print Head	Mark III Torsion bar squeegee head See other options
Squeegee Drive	Aqueous, closed system
Substrate Transport	Reciprocating workholder carriage
Screen/Substrate Alignment Method	Manual screen; Independent micrometers for X, Y; independent true Ø adjustment with dial indicator readout
Carriage Position Repeatability	±0.0002" (±0.005mm)
Screen Position Adjustment	N/A
Screen Frame Attachment	Bolt-on
Operator Interface	Color touchscreen
Configuration	Standalone or automated

Maximum Print Capabilities

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