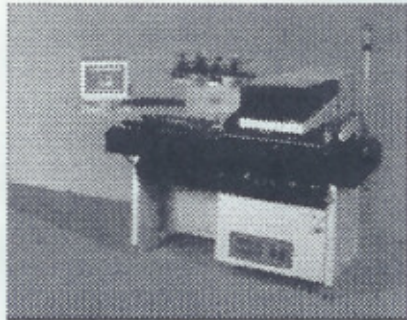




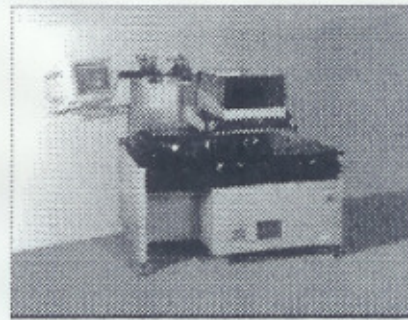
# MSP-1826, -9156

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**MSP-1826**

(with In-line Automated Board Transport option)



**MSP-9156**

(in standalone configuration)

Fully PC-controlled (Pentium™ + Windows 98®) with graphical user interface for setup and operation via light pen/monitor. Print alignment is by automatic stage adjustment. Print head is the dual-blade DS-II with electric drive. Closed-loop PC control of squeegee speed and pressure during print and automatic pass-through rail transport system available as options.

**Recommended for:** fine pitch, fine line precision stencil printing applications requiring accurate print registration to existing board features on up to 18" x 20" (457mm x 508mm); can be fully automated for unattended operation.

## MSP-1826, -9156 Technical Specifications

### Maximum Print Capabilities

#### MSP-1826

**Maximum stencil size (ID):** 24" x 24" (610mm x 610mm)  
**Maximum board size:** 21" x 21" (533mm x 533mm)  
**Maximum print area:** 18" x 20" (457mm x 508mm)

#### MSP-9156

**Maximum stencil size (ID):** 20" x 20" (508mm x 508mm)  
**Maximum board size:** 16" x 18" (406mm x 457mm)  
**Maximum print area:** 16" x 18" (406mm x 457mm)

### Standard Equipment

**Print head:** DS-II dual blade squeegee head  
**Squeegee drive:** Motor driven, programmable  
**Substrate transport:** Reciprocating workholder carriage  
**Vision alignment:** Optional



**Vision alignment accuracy:** n/a  
**Stencil/Board alignment method:** Workholder stage adjustment  
**Stencil position adjustment:** Fixed  
**Stencil frame attachment:** Pneumatic clamping  
**Workholder alignment method:** Micro-stepper motors, air bearing  
**Workholder position repeatability:**  $\pm 0.0004$ " (0.01mm) TIR  
**Workholder lock:** Vacuum  
**Operator interface:** Light pen and 15" Monitor  
**Control system:** Pentium PC/Windows 98, SMEMA compatible  
**Control system modem:** Included  
**Services required:** Electrical, CDA (Clean Dry Air)  
**Configuration:** Standalone; In-line optional

### Physical Dimensions

#### MSP-1826 Standalone

**Dimensions:** 61"W x 66"D (1.55mW x 1.68mD) + Monitor

**Weight:** approx. 1400 lb (635kg)

#### MSP-1826 In-line Configuration

**Dimensions:** 75"W x 66"D (1.91mW x 1.68mD)

**Weight:** approx. 1550 lb (705kg)

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#### MSP-9156 Standalone

**Dimensions:** 58"W x 60"D (1.48mW x 1.53mD) + Monitor

**Weight:** approx. 1350 lb (615kg)

#### MSP-9156 In-line Configuration

**Dimensions:** 75"W x 60"D (1.91mW x 1.53mD)

**Weight:** approx. 1500 lb (680kg)

### Key Options Available

- Mark III Torsion Bar Squeegee Head
- Programmable Closed-Loop Print Head
- AVISAS IV Automatic Vision Alignment
- In-line Automated Board Transport
- Automatic Load & Unload
- Workholder Tooling

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