

## THE MODEL MC-1 PRECISION SCREEN PRINTER



### QUALITY

The Systematic Automation Model MC-1 Precision Screen Printer is a rugged machine constructed to provide many years of trouble-free operation. Pre-loaded screen pivot bearings combined with precision machined components throughout makes this a machine that is easy to use with the accuracy to print the most demanding jobs... perfectly. Repeatability registration to  $\pm .001$ " (.025 mm) puts the "precision" in front of "screen printer." Entirely built in the USA with the finest materials and workmanship makes "quality" synonymous with Systematic Automation.

### PRACTICALITY

The MC-1 was designed with the professional printer in mind. Adjustable tension, spring loaded counter balance for fingertip raising and lowering of the screen. Off contact adjustment to 7" (178 mm) for a variety of product sizes. Easily movable screen frame holder for screen cleaning with no loss in

registration when re-installing the screen. Adjustable positive stops for screen up and screen down. Parallelism and screen centering adjustments. Movable screen frame clamps to accommodate standard screen sizes. The list goes on. This is the manual screen printer that has it all. Whether for proofing or production, the ease of use and the accuracy of print will produce clear, sharp edges that will always make you look good.

### FLEXIBILITY

The MC-1 is designed to provide quality results, no matter what your application. It also has the ability to grow with your printing needs. Whether you require special fixturing, vacuum tables or cylindrical printing capability, Systematic Automation can accommodate. With the addition of a conversion kit and control panel, you can even convert the MC-1 to a semiautomatic printer that will turn out the work as fast as you can feed and unload. The MC-1 is the precision screen printer that will grow your business.

**ENGINEERING FEATURES**

- Machine tool quality and durability.
- 100% made in USA.
- Movable support frame for centering of long or short screen frames. Adjusts front to back over the X, Y, and angular table.
- Aluminum tooling plate base, ground flat within +/- .001" (0.025 mm).
- Universal screen frame holder.
- Screen frame holder can be separated from the printer with the screen for cleaning and reattached with no loss of registration.
- Cushioned screen up stop.
- Spring loaded, screen up and down counter balance force adjustment.
- Adjustable squeegee rest bar.
- Clean room compatibility.

**STANDARD FEATURES**

- Positive stop and parallel adjustment.
- Adjustable off-contact height.
- Adjustable screen lift height.
- Adjustable counter balance.
- X, Y, and angular micro adjust table.
- Movable screen frame clamps to accommodate standard screen frame sizes.
- Screen frame clamps are adjustable front to back and in width.

**OPTIONS**

- Larger versions available to meet your specifications.
- Squeegee holder.
- Squeegee material.
- Product holding nest and fixtures.
- Heavy duty welded base with locking casters and tote bins.
- Vacuum table. Anodized top surface available.
- Cylindrical printing capability.
- Upgrade to semi-automatic operation with pneumatic controls.
- Oversize screen frame holders.
- Three precision dial indicators mounted on X, Y, and angular micro adjust table.
- UV curing conveyors.

**TYPICAL APPLICATIONS**

- Ad specialties
- Molded plastics
- Glass and ceramics
- Membrane Switches
- Nameplates
- Labels
- Panels
- Decals
- Cosmetic containers
- Plastic cards
- Luggage tags
- Medical devices
- Your products

Specifications	Model MC-1
Speed Range (Impressions per Hour)	Variable to 2500 IPH
Print Registration & Repeatability	+/- .001" (.025 mm)
Pneumatic Requirement	None
Electrical Requirement	None
Air Consumption	None
Maximum Print Area Flat	12" x 12" (304 x 304 mm)
Maximum Screen Frame Size	24" x 24" (610 x 610 mm)
Maximum Print Area Along Circumference (Optional)	5" (130 mm)
Shipping Dimensions (Length x Width x Height)	66" x 48" 66" (1676 x 1270 x 1676 mm)
Shipping Weight (Approximate, With Base)	325 lbs. (147 kg.)



20 Executive Drive, Farmington, CT 06032

For immediate assistance:

Tel: 860-677-6400

Email: samail@systauto.com

Web: www.systauto.com