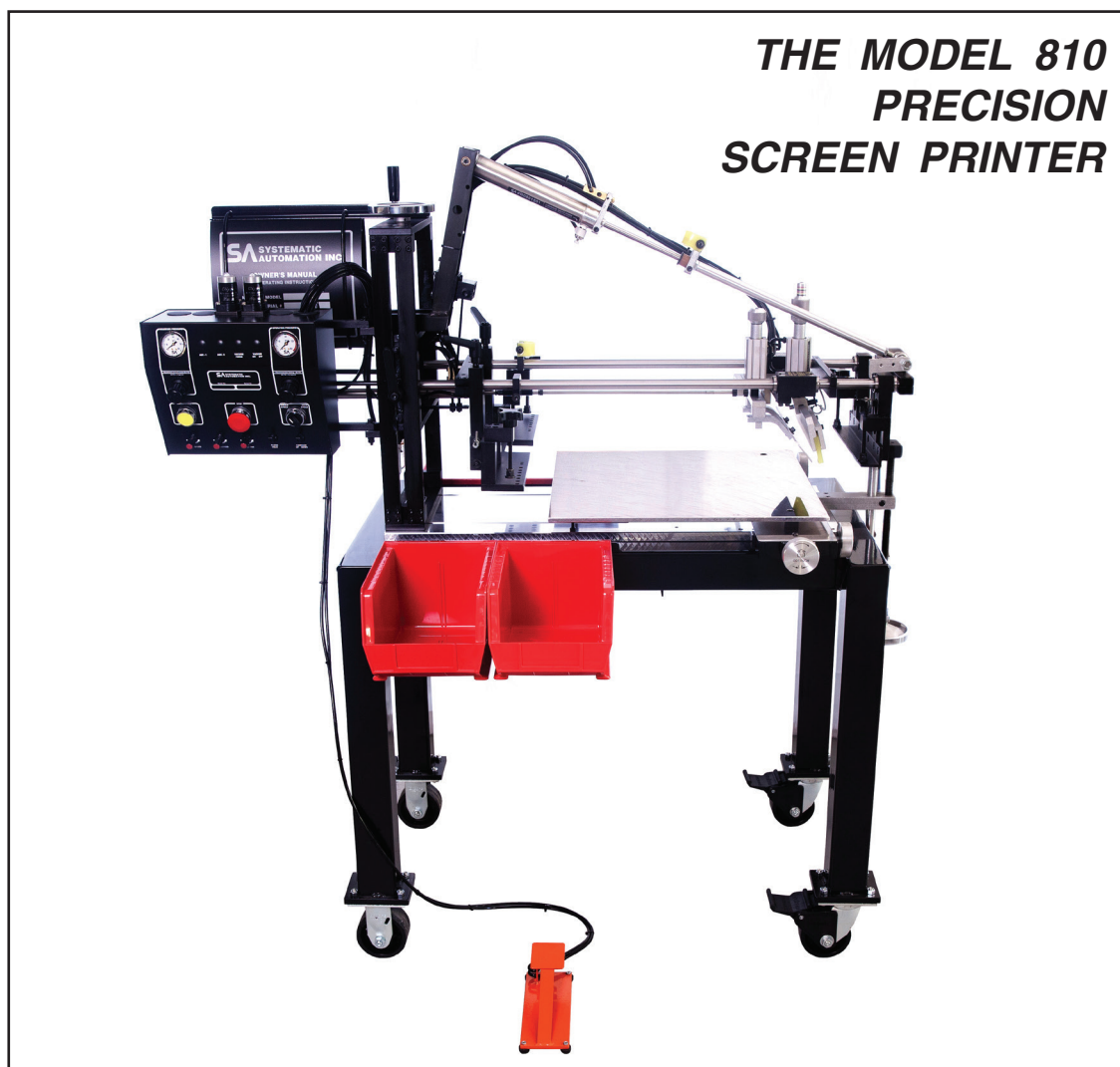


## **THE MODEL 810 PRECISION SCREEN PRINTER**



The Systematic Automation Model 810 Series Screen Printers are rugged machines designed for printing all types of screen printable materials with utmost precision and ease.

The 810 is available in a wide range of sizes and configurations. These machines are the industry standard for ad specialty, plastics, pharmaceutical, glass, ceramics, electronics, and many other industries.

The basic simplicity and low cost of semi-automatic machinery makes it ideal for a variety of screen printing operations. Systematic Automation has long recognized the economic benefit of the semi-automatic printer, and has developed many modular components, tooling and attachments. Systematic Automation can greatly reduce cost, engineering time and lead time for customizing our standard printers to suit your particular requirement.

Our technical expertise incorporates the latest advances in technology. However, successful machine building requires more than technology; it requires good judgement and proven reliability. Dependability cannot be achieved overnight; it takes years of design, field testing and fine tuning. Systematic Automation has devoted over thirty years to the development of a standard line of durable and dependable components. These time-tested components can be combined in creative ways to satisfy the most demanding screen printing requirements.

Our experienced application engineers can work with you to find the best solution to your screen printing and production problems.

**ENGINEERING FEATURES**

- Machine tool quality and durability.
- Stainless steel air cylinders.
- 100% made in USA.
- Aluminum tooling plate base ground flat within +/- .001" (.025 mm).
- Hardened, ground, and polished shafts with linear ball bearings rated at over 300 million cycles.
- Pneumatic system cannot overload or burn out, or become obsolete.
- Variable print stroke length.
- Universal screen mounting.
- Hinged rear screen frame holder to provide quick access to screen, squeegee and flood bar.
- Easily removable squeegee/flood bar assembly.
- Smooth, quiet operation.
- Pneumatic control panel.
- 100% air operation.
- Carriage closes with minimal force for operator safety.
- Flood bar rises and falls alternately with squeegee.

**STANDARD FEATURES**

- Adjustable print stroke speed.
- Adjustable flood speed.
- Print/flood, flood/print switch.
- Emergency stop.
- Push-button cycle start.
- Adjustable dwell time.
- Semiautomatic/automatic mode selector switch.
- Adjustable squeegee pressure with gauge and regulator.
- X, Y, and angular micro adjust table.
- Heavy-duty welded steel base with casters and tote bins.
- Squeegee holder.
- Independent squeegee and flood bar micro height adjustment.
- Foot pedal cycle start.
- Stroke counter.

**OPTIONS**

- Cylindrical printing capability.
- Three precision dial indicators mounted on X, Y and angular micro adjustable table.
- Off contact precision dial indicator.
- Dual print head for precise squeegee pressure for images 16" (406 mm) or wider.
- Adjustable squeegee angle.
- Control panel swivel arm.
- Vacuum table. Anodized top surface available.

**TYPICAL APPLICATIONS**

- Ad specialties
- Molded plastics
- Glass and ceramics
- Membrane switches
- Nameplates
- Label
- Panels
- Decals
- Cosmetic containers
- Medical devices
- Your products

Specifications	Model 810-12	Model 810-20	Model 810-30
Speed Range (Impressions per Hour)	Variable to 3000 IPH	Variable to 3000 IPH	Variable to 3000 IPH
Print Registration & Repeatability	+/- .001" (.025 mm)	+/- .001" (.025 mm)	+/- .001" (.025 mm)
Electrical Requirement	None	None	None
Air Consumption	2.5 CFM, 80 PSI, 552 kPa, 7.L/min	2.5 CFM, 80 PSI, 552 kPa, 7.L/min	2.5 CFM, 80 PSI, 552 kPa, 7.L/min
Maximum Print Area Flat (See options to increase width)	8" x 10" (203 x 254 mm)	12" x 18" (305 x 457 mm)	12" x 27" (305 x 686 mm)
Maximum Screen Frame Size	18" (457 mm) front to back	26" (660 mm) front to back	36" (914 mm) front to back
Maximum Print Length Along Circumference (Optional)	5" (127 mm)	9" (228 mm)	14" (355 mm)
Shipping Dimensions (Length x Width x Height)	66" x 48" x 66" (1676 x 1219 x 1676 mm)	66" x 48" x 66" (1676 x 1219 x 1676 mm)	86" x 48" x 66" (2184 x 1219 x 1676 mm)
Shipping Weight (Approximate)	400 lbs. (181 kg.)	400 lbs. (181 kg.)	425 lbs. (192 kg.)



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