

**THE MODEL ST20  
PRECISION  
SCREEN PRINTER**



The Systematic Automation Model ST20 precision sliding table screen printers were designed for screening a variety of flat or three dimensional products.

Sliding table screen printers have certain advantages over "clam shell" type presses. Mainly, they provide full unobstructed access to the vacuum table when loading or unloading substrates.

Many standard convenience features have been incorporated into the ST20. These machines are rugged, easy to use and extremely reliable. The finest of materials and workmanship are used throughout.

Let one of our knowledgeable application engineers help you decide if the ST20 is best for your application.

**ENGINEERING FEATURES**

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

**STANDARD FEATURES**

- X, Y, and angular micro adjust table.
- Heavy-duty welded steel base with casters and tote bins.
- Removable storage bins attached to base.
- Foot pedal cycle start.
- Squeegee holder.
- Flood bar.
- Pneumatic control panel.
- Variable print and flood bar speed.
- Adjustable print stroke length.
- Operating pressure adjustment with gauge.
- Print/flood cycle – machine "waits" in flood position.
- Air shut-off switch.
- Screen frame micro adjust.

**OPTIONS**

- Adjustable squeegee pressure with gauge and regulator.
- Vacuum table. Anodized top surface available.
- Regenerative ½ hp vacuum pump.
- Automatic retracting pins in vacuum table.
- Adjustable forced peel away (progressive screen lift).
- Three precision dial indicators mounted on X, Y, and angular micro adjustable table.
- Dual print head for precise squeegee pressure for images 16" (406 mm) or wider.
- Adjustable squeegee angle.
- Pneumatic screen frame clamps.
- Anti-static device.
- Pre-print product cleaning tacky roller.
- Automatic ink dispenser.
- Stroke counter.

**TYPICAL APPLICATIONS**

- Metal or plastic sheets
- Membrane switches
- Plastic cards
- Plaques
- Luggage tags
- Panels
- Circuit boards
- Name plates
- Glass and ceramics
- Decals
- Your product

Specifications	Model ST20
Speed Range (Impressions per Hour)	Variable to 1600 IPH
Print Registration & Repeatability	+/- .001" (.025 mm)
Electrical Requirement	1 phase, 115 VAC, 60 Hz (Other options available. Consult with the factory.)
Air Consumption	2.5 CFM, 80 PSI, 552 kPa, 7.L/min
Maximum Print Area (See options to increase width)	18"x 18" (457 x 457 mm)
Screen Frame Length	26" (660 mm) Front to back
Shipping Dimensions (Length x Width x Height)	58" x 60" x 62" (1473 x 1524 x 1575 mm)
Shipping Weight (Approximate)	510 lbs. (231 kg.)



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