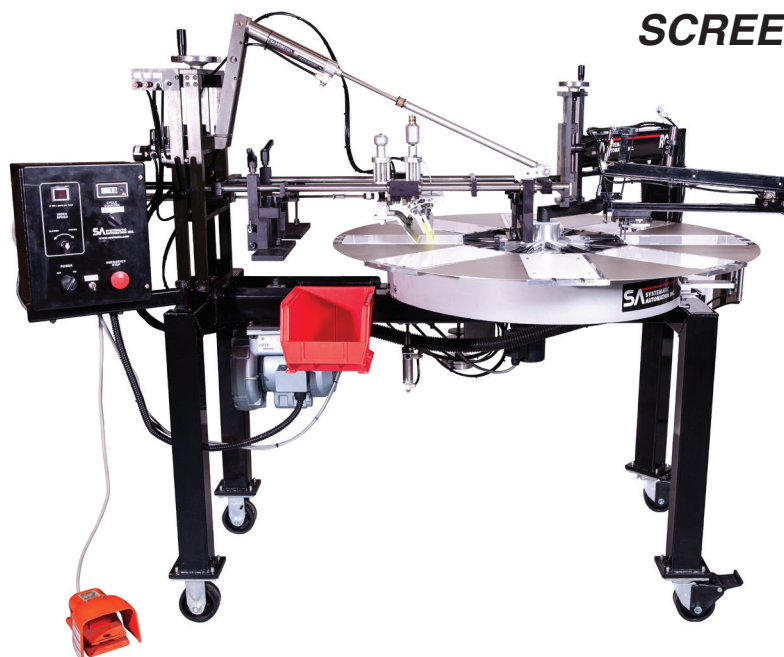


THE MODEL RC-1 PRECISION SCREEN PRINTER



BETTER BY DESIGN

Rugged and dependable, with high levels of speed and accuracy, the RC-1 is a machine that provides screen printers with greater flexibility at an affordable price.

Originally designed for the advertising specialty industries, the RC-1 has also been proven successful for decorating glass and ceramic, pharmaceutical, electronic, cosmetic and automotive products. Its ability to print on three dimensional, difficult-to-hold products makes the RC-1 a practical machine for medium to high volume production printing.

SAFETY FIRST

At Systematic Automation, we designed the RC-1 precision printer with the safety of the operator in mind. Unlike many rotary index screen printers on the market, this model has overload protection on all machine movements. Pinch points have been eliminated wherever possible. If the indexer movement is obstructed, it will harmlessly overload. The minimal force with which the indexer rotates can even be held back by hand, causing no harm to either the operator or the machine.

S.A. TOOLING COMPLETES THE PACKAGE

Systematic Automation offers the most comprehensive line of high quality tooling in the industry. You can choose from a multitude of our time proven standard and specialized fixtures for your unique and difficult-to-hold product, or you can consider our Universal Holding Fixture designed to hold literally thousands of products.

Need Tooling Design? S.A. has it. Design that makes your production more efficient and your print quality better than you have ever sold before. Our tooling is designed for high production and quick changeover for maximum efficiency.

For the highest quality and most efficient production, you need the best machine with the proper tooling. Systematic Automation builds on these standards every day.

MODEL RC-1

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.
- Simple, reliable air logic controls.
- 100% air operation.
- Pneumatic system cannot overload or burn out, or become obsolete.
- Variable print stroke length.
- Universal screen mounting.
- Easily removable squeegee/flood bar assembly.
- Smooth, quiet operation.
- Carriage opens pneumatically for screen cleaning and set up.
- Hinged rear screen frame holder to provide quick access to screen, squeegee and flood bar.
- Worldwide component parts availability.
- Doweled nesting plates for quick changeover.
- Machine can operate in single cycle or fully automatic mode.
- Changeable indexer with stations in the dial depending on your product.

STANDARD FEATURES

- Pneumatic control panel.
- Emergency stop button.
- Adjustable print stroke speed.
- Adjustable flood stroke speed.
- Push-button cycle start.
- Semiautomatic/automatic mode selector switch.
- Carriage up/down switch.
- X, Y angular screen frame micro adjust.
- Heavy-duty welded steel base with casters and tote bins.
- Foot pedal cycle start.
- Modular automatic take-off device.
- 8 position 32" (810 mm) positive-locking rotary index table.
- Overload protection for operator safety.
- Squeegee pressure with gauge and regulator.

OPTIONS

- Dial indicators for screen frame holder micro adjust.
- Vacuum table aircraft aluminum honeycomb construction guaranteed flat within +/- .011" (.025 mm).
- Retracting stop pins for vacuum table.
- Dual print head for precise squeegee pressure for images 16" (406 mm) or wider.
- Adjustable squeegee angle.
- Three dial indicators mounted to the X, Y and angular micro adjust table.
- Universal holding fixture.
- Take off device.
- Stacking conveyor for take-off accumulation.
- Vacuum systems for securing products.
- Regenerative ½ hp vacuum pump.
- Extra station on indexer dial.
- Additional indexing dial.

TYPICAL APPLICATIONS

- Ad specialties
- Molded plastics
- Small circuit boards
- Automotive parts
- Membrane switches
- Shoes insoles
- Bags
- Rulers
- Metal
- Molded plastics
- Glass and ceramics
- Plaques
- Cosmetic containers
- Your products

Specifications	Model RC-1
Speed Range (Impressions per Hour)	Variable to 3600 IPH
Print Registration & Repeatability	+/- .001" (.025 mm)
Electrical Requirement	None
Air Consumption	4.9 CFM, 80 PSI, 552 kPa, 139 L/min
Maximum Print Area (See options to increase your width)	8" x 12" (203 x 304 mm) or built to accommodate your product
Maximum Screen Frame Size	Number of stations on dial dictate size
Shipping Dimensions (Length x Width x Height)	67" x 36" x 60" (1701 x 914 x 1524 mm)
Shipping Weight (Approximate)	600 lbs. (272 kg.)



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