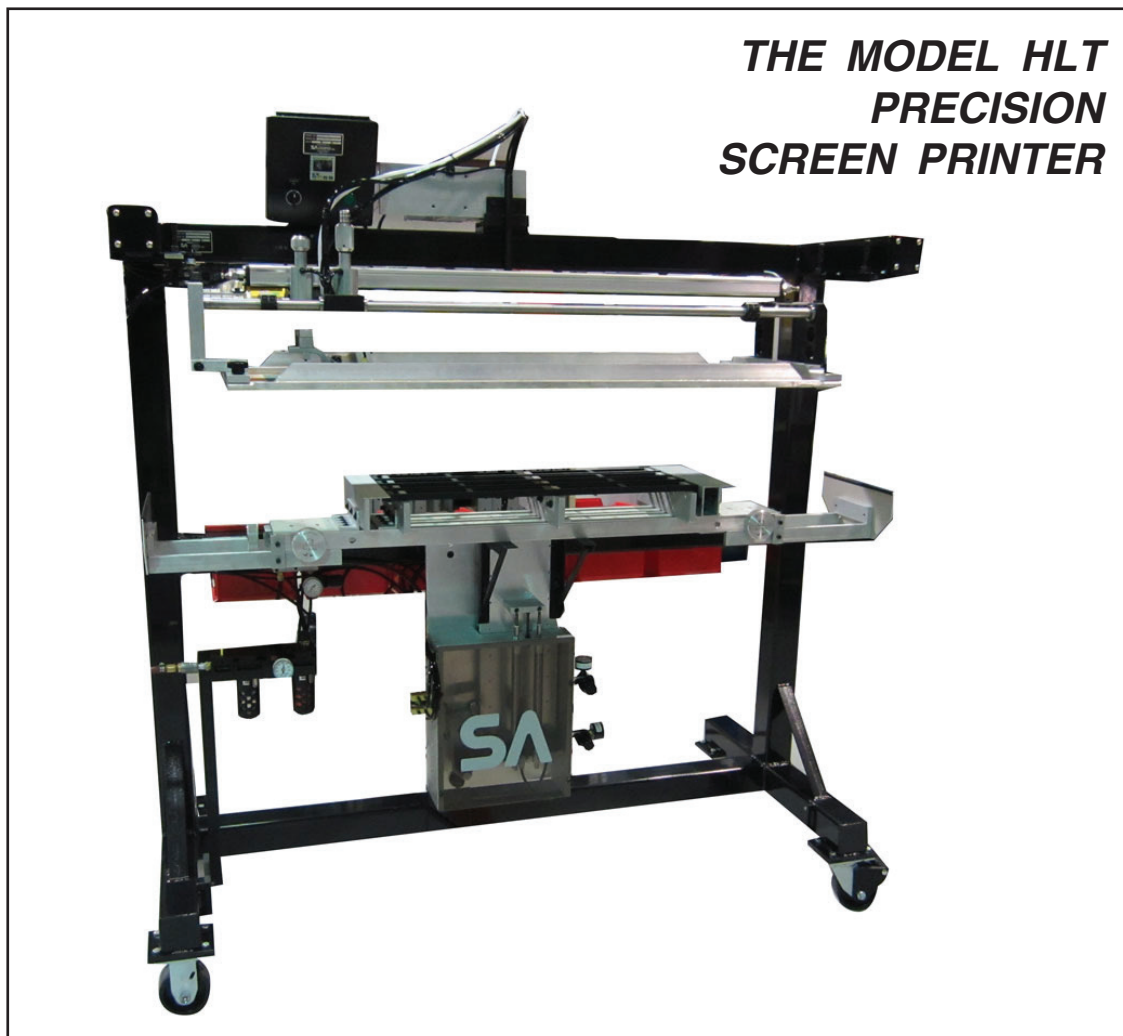


## **THE MODEL HLT PRECISION SCREEN PRINTER**



The Model HLT Precision Screen Printer combines breakthrough engineering, ultimate versatility and quality craftsmanship to create the most sophisticated semi-automatic system in the industry. Backed by more than three decades of development and field testing, the HLT sets new standards for precision and productivity.

At the heart of the printer is the unique Harmonic Lift Table for smooth, fast, vibration-free operation. The micro-adjustable work table adapts to X, Y, and angular axis to meet the toughest printing challenges. The result is perfect registration at high speed for maximum productivity. Linear bearings, rated at over 300 million cycles, and the HLT's inherent design simplicity guarantees years of trouble-free service.

Virtually limitless in its applications, the HLT adapts easily to various substrates and shapes: thick or thin, flat or cylindrical, tapered or oval. Easy setup and fast changeover make the HLT ideal for short production runs with minimal down time. You can also choose from hundreds of custom components and tooling attachments to meet specialized printing needs.

This is the machine industry professionals like yourself asked for. Built in the USA with the highest standards of materials and workmanship, the HLT is a machine you will be proud to bring to your shop floor.

## ENGINEERING FEATURES

- Machine tool quality and durability.
- Stainless steel air cylinders.
- Hardened, ground, and polished shafts with linear ball bearings rated at over 300 million cycles.
- Screen stays stationary – substrate is lifted to screen.
- Independent micro-adjustable squeegee and floodbar height.
- Table features independently micro-adjustable X, Y and angular movements.
- 100% pneumatic operation that cannot overload or burnout.
- Aluminum tooling plate base ground flat within +/- .001" (.025 mm).
- 100% made in USA.
- Quick changeover from flat to cylindrical, tapered or ovals products.
- Flood bar rises and falls alternately with squeegee.
- Hinged rear screen frame holder to provide quick access to screen image area, squeegee and flood bar.
- Smooth, quiet operation.

## STANDARD FEATURES

- Pneumatic control panel.
- Emergency stop.
- Harmonic lifting table with 8" movement upward to screen.
- X, Y, and angular micro adjust table.
- Foot pedal cycle start.
- Heavy-duty welded steel base with casters and tote bins.
- Squeegee holder.
- Flood bar.
- Independent squeegee/flood bar height adjustment.

## OPTIONS

- Vacuum table. Anodized top surface available.
- Quiet, regenerative continuous duty vacuum pump.
- Dual print head for precise squeegee pressure for images 16" (406 mm) or wider.
- Capability for printing cylindrical objects.
- Cylindrical printing attachments including inflation device for soft walled plastic bottles.
- Rack and gear drive for cylindrical printing.
- Adjustable squeegee angle.
- Adjustable squeegee pressure with gauge and regulator.
- Wide range of standard tooling fixtures developed for plastic, ceramic and glass products.
- Multicolor registration capabilities.
- Clean room compatibility.
- Stroke counter.
- Three precision dial indicators mounted on X, Y, and angular micro adjustable table.
- Off contact dial indicator.
- Flood/print cycle replaces standard print/flood cycle. Flood hold switch is omitted.
- Automatic ink dispenser.

## TYPICAL APPLICATIONS

- Rulers
- Buckets
- Oil filters
- Kegs
- Snowboards
- Hockey Sticks
- Skateboards
- Your product

Specifications	Model HLT
Speed Range (Impressions per Hour)	Variable to 900 IPH
Print Registration & Repeatability	+/- .001" (.025 mm)
Electrical Requirement	None
Air consumption	5.0 CFM, 80 PSI, 552 kPa, 75.0 L/min
Maximum Print Area Flat (See options to increase width)	23" (584 mm) length
Maximum Screen Frame Size	18" x 18" (457 x 457 mm)
Maximum Print Length Along Circumference	14" (356 mm)
Shipping Dimensions (Length x Width x Height)	66" x 30" x 65" (1676 x 762 x 1651 mm)
Shipping Weight (Approximate)	600 lbs. (272 kg.)