Automatic Graphic Screen Printing Press

The Lawson Seneca is a simple, easy-to-use automatic graphic flat-bed printing press. The Seneca is fast to set-up and includes many of the features found on much more expensive presses. In addition, the Seneca provides maximum control of the printing process. Lawson’s exclusive Load-Leveller, Single-Point Peel System and Dial Indicator Controls are standard. The Seneca has been engineered to print fine line half-tones, ultraviolet inks, printed circuits, plastics, glass, transfers, water-based inks and much more.

STANDARD FEATURES

- Load-Leveller
- Squeegelizer/Air Balanced Squeegee
- Up-Front Single Point Peel w/ Dial Indicator
- Solid Aluminum, Honeycomb Core Vacuum Table
- Auto-Flood Option
- Dual-Action Up & Down Squeegee/ Flood Bar Control
- Quick-Register Screen Loading
- Timing Belt Carriage Drive
- Low-Profile, Wide Rail Design
- Quick-Adjust Angle Controls
- On-Contact Print Ability
- Masterframe/Universal Screen Holder
- Micro-Registration w/ X,Y,Z Movement
- Registering Table Glides Without Friction On Roller Bearings
- Adjustable Spring Tension on Registering Table
- Micro-Register Metal-Etched XL-Locator Grid
- Variable Flood, Print & Lift Speeds... All DC Motor Controlled
- Single Cycle, Jog & Dwell Mode Settings
- Foot Pedal
- Electric Print Counter
- Sliding Frame Clamps
- Plated Carriage Assembly
- Swivel/Anti-Rock Leveling Pads
- Wrap-Around Safety Bar
- Safety Reset System
- Stationary Motor & Reducer
- 230 Volts; 1-Phase
- Adjustable Print Stroke
- Channel-Balanced Vacuum w/ Adjustable Timing
- Slanted Control Box
- Etched Control Panel
- Off-Contact Control
- No Tool Adjustment Needed
- Protected Carriage Drive
- Removable Rail Side Panels
- 2-Year Parts Warranty
- **24/7/365 Technical & Print Support**
OPTIONAL FEATURES

• Aluminum Squeegee Holder (with or without blade)
• Aluminum Flood Bars
• Floor Casters (four heavy-duty swivel-style)
• Companion Take-Off (left side standard)
• Metal or Adjustable Screen Frames
• Export Electrics
• Pneumatic Frame Clamping System
• Vacuum Set-Up
• No-Noise Vacuum
• Vacuum Blow-Back for quick removal of difficult stock
• Disappearing Guides

The Lawson Seneca Provides:

✓ **Auto-Flood Capability:** Keeps the screen flooded (European style) while the screen is in the open position, or unflooded (standard U.S. style), with a simple flip of a switch.

✓ **Load-Leveller:** Lawson’s exclusive Load-Leveler solves the problem of “unbalanced” squeegee pressure and/or loss of squeegee control. Simply slide the squeegee posts where you desire. As a result, center and side deflection are eliminated by placing the “chopper/squeegee system” where the force is balanced. Better resolution and registration is achieved because less squeegee pressure is required and the squeegee is placed exactly where needed.

✓ **Unique Peel System:** Direct-Action Peel allows adjustment of peel/off-contact at one point and at the front of the screen carriage, without tools.

✓ **Dial Indicators:** Allow registration with fast, precise movements of the registering table. Micro-adjustable is easily achieved with the Seneca’s “floating table” that moves without friction on roller bearings and is monitored in .001-inch.

✓ **Solid Aluminum Vacuum Table:** An all aluminum honeycomb core ensures flatness and resistance to all solvents, for the life of the press! Other systems, although they may have aluminum tops, the actual support core is not aluminum. As a result, warp-age and deterioration can occur. In addition, the Seneca’s registering vacuum table glides on roller bearings for a “smooth as glass” feel during micro-registration.

✓ **Air-Balanced Squeegee:** Provides accurate, uniform, easy control of squeegee pressure. Automatically balances squeegee pressure from side to side to assure uniform control of ink deposit. Control is up front, and no tools are necessary. Pressure can be adjusted while press is in operation and documented with the dial pressure gauge on the face of the control panel.

✓ **Masterframe:** Accommodates all frame profiles up to three inches high. Easy to adjust and lock. Does not rest on print table, allowing exact control of off-contact and peel position with true “on contact” setting ability. Side screen loading is standard.

✓ **Timing Belt Carriage Drive:** Smooth, quiet, vibration and chatter-free. Never needs adjusting or grease like chain-driven machines.

✓ **Adjustable Stroke Length Sensors:** Adjust the length of the print stroke in seconds, front and rear, with no tools. Lawson’s unique sensor design is safer, easier and more reliable than any other on the market.