



The new SaatiPrint Clamp and Multi-axial digital tension meter will provide optimum pneumatic screen tensioning. This highly advanced, yet easy to use system achieves the highest recommended tensions more uniformly, without over-tensioning the corners. It provides the greatest stability of any system available. Among the most notable features of this premier stretching system is its independent or simultaneous warp/weft tensioning capability. In addition, its unmatched, patent-pending "moveable" design pre-stresses the frame while simultaneously eliminating mesh contact with the frame surface during stretching. This specialized "non-contact" stretching eliminates any hazardous friction, uneven tensioning or resultant tears caused by stretching the mesh when it comes in contact with rough or uneven frame surfaces. The longer 5.5" stroke per clamp allows for 11" of total stretch in each direction.

A special pneumatic device lifts the mesh above the frame for stretching, while the clamps hold (and pre-stress) the frame. Once the desired tension is achieved, the mesh is lowered for adhesion to the frame.

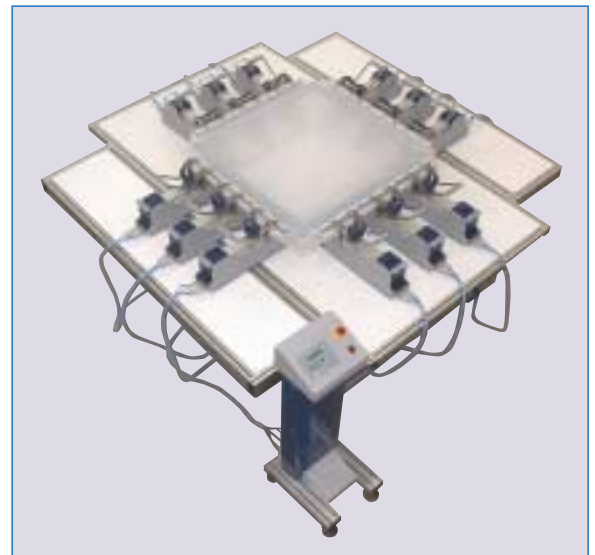
Plus, there is no potentially damaging metal-to-mesh contact common with other systems. The lower jaw contains a large polyurethane gripping surface. The upper assembly is constructed of a space-age, light-weight alloy that houses cylindrical polyurethane sections for

safe, slip-free tensioning.

Saati clamps feature a uniquely-designed modular plug-in system for easy set-up in minutes. Each clamp's four air lines are bundled securely in a protective tube. At the end of the lines, the male connectors snap easily into quick disconnect ports in the manifold and into the clamp itself.

The system's manual control panel is ergonomically designed and allows continuous non-incremental adjustments on demand. All pneumatic connections offer quick release for rapid frame size changeover and system expansion. The electronic control panel allows operation in three modes: manual, semiautomatic and automatic.

Other advantages of the Saati clamp system are extra and superior safety features. The clamps' angled design helps prevent them from overturning or jumping. In addition, a metal pin at the front of the clamp anchors it under the frame in case the fabric tears. The entire clamp body is covered to prevent fingers, clothing, etc. from getting caught in the moving parts.





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TECHNICAL FEATURES

- Internal components extruded in aluminum, lateral parts in ABS, head and back in composite nylon
- Both versions, 10" (250mm) and 6" (150mm) available
- Independent pneumatic control for both horizontal axis
- 5.5" stroke length
- Vertical axis with a range stroke of .4" - 1.25" (10.5mm - 31 mm) of run
- Maximum tension: 60 N/cm
- Delron guides greatly reduce friction during the stretching process – smooth operation
- Adjustable frame support to fit ESMA standard
- Electronic control panel option equipped with LCD display
- Blue and Grey color
- CE compliant

BENEFITS

- Higher tension, longer stroke
- Tension from small frames to extremely large frames
- Very high degree of repeatability
- High reliability, easy maintenance
- Compatible with current manifold lines and control panels
- Easy remove of adhesive from the surface

DIGITAL CONTROL PANEL

- Independent unit has an advanced, ergonomic design
- Plug and play
- Panel equipped with membrane switches, LCD unit and emergency push button
- Two independent axis controls available
- Three operating modes: manual mode, semi-automatic mode (pressure control), automatic mode (pressure control, tension control axis)

Leasing available, please inquire.

TECHNICAL SPECIFICATIONS

Weight:	26 lbs.
Total Length:	24.5"
Length from Frame Push Plate:	18.9"
Piston Run:	5.5"
Air:	95-100 PSI (dry air line required)
Jaw Widths:	10" (standard clamp type) 6" (clamp type A)
Clamp to Manifold Air Lines:	Length of tubing from clamp to manifold is 10 ft. with quick connections at both ends
Table Top Length Required:	frame outside dimensions plus 42" in both directions



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