



SAATI TOP 14 CLAMP SYSTEM

The new SAATI Clamp 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 "raise/lower" design prestresses 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 distorting 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.

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 electronic control panel allows operation in three modes: manual, semi-automatic and automatic.

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 0.4" - 1.25" (10.5mm - 31mm) 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
- ◆ 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

DIGITAL CONTROL PANEL

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

LEASING AVAILABLE, PLEASE INQUIRE.

SAATI CLAMP TECHNICAL SPECIFICATIONS

JAW WIDTH	The clamp's mesh-holding jaw is available in two widths: 6" (150 mm) for frame sizes not evenly divisible by ten, or 10" (250 mm)
CLAMP LENGTH	24 1/2" (18.9" from outside of frame)
AIR	95-100 p.s.i. (dry air line required)
CLAMP WEIGHT	26 lbs.
AIR MANIFOLDS	Available in a 12 clamp unit for flexible table configuration and system expansion

USA

1.800.431.2200 (Toll-free US & Canada)
info.US@saatiprint.com

FOR MORE INFO

about Saati visit:
www.SaatiAmericas.com