

STRETCH-TECH™

PNEUMATIC SCREEN FABRIC STRETCHING SYSTEM

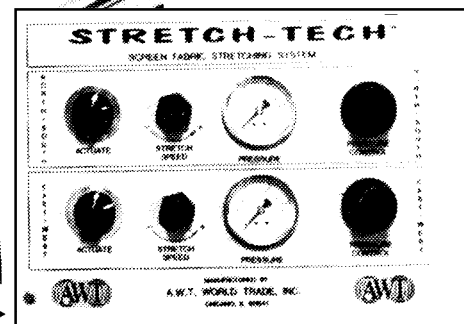
New "Drop-in" locking levers for fast set-up and release

Quick disconnect manifold couplings

Frame leveling bolts on clamp frames assure proper contact between frame and fabric

Multiple frame stretching capability

Easy to use controls allow independent settings for weft and warp



Easy to operate as well as reliable, A.W.T.'s Stretch-Tech may be the most versatile screen fabric stretching system in the world. The main control panel is engineered to drive virtually any system configuration; add or subtract clamps, change clamp bar widths, or add more air manifolds as the job requires. Stretching multiple frames at the same time is no problem for the Stretch-Tech. Individual leveling bolts on each clamp assure proper contact between fabric and frame.

Simple controls allow independent settings of pressure and stretching speeds for both weft and warp. New "Drop-In" Clamps make fabric loading easy, locking into position to prevent slipping. Color-coded air lines and

quick-release manifold connectors allow fast set-up and configuration changes.

For the ultimate in fabric stretching efficiency, the exclusive A.W.T. Auto-Tensioning Module option can be added to your Stretch-Tech system at any time, in just minutes. This unique unit automatically stretches fabric in stages, freeing the operator for other tasks.

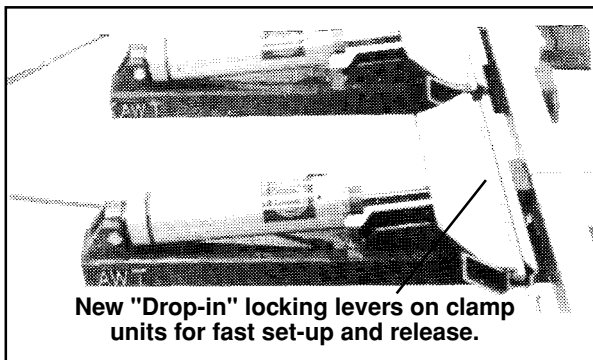
The Stretch-Tech system operates from a standard 100 psi commercial air supply (not included).

STRETCH-TECH STANDARD FEATURES

- New drop-in locking lever for fast set-up and release, prevents fabric slippage
- Modular design allows additional clamps and air manifolds to be added
- Individual stretching tension and speed controls for weft and warp
- Screen leveling bolts on clamp frame
- Quick-disconnect manifold couplings
- Three clamp widths available: 8" (20cm), 10" (25cm) and 12" (30.5cm).
- Multiple frame capability

STRETCH-TECH OPTIONS

- Auto-tensioning module stretches frames in stages, retrofits Stretch-Tech and most other pneumatic units.



New "Drop-in" locking levers on clamp units for fast set-up and release.

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STRETCH-TECH™

THE A.W.T. AUTO-TENSIONING MODULE

- Automatically Tensions Fabric In Stages, Stretch & Release
- Frees Operators For Other Shop Tasks
- Stabilizes Fabric for Uniform Screen Tension ■ Extends Mesh Life

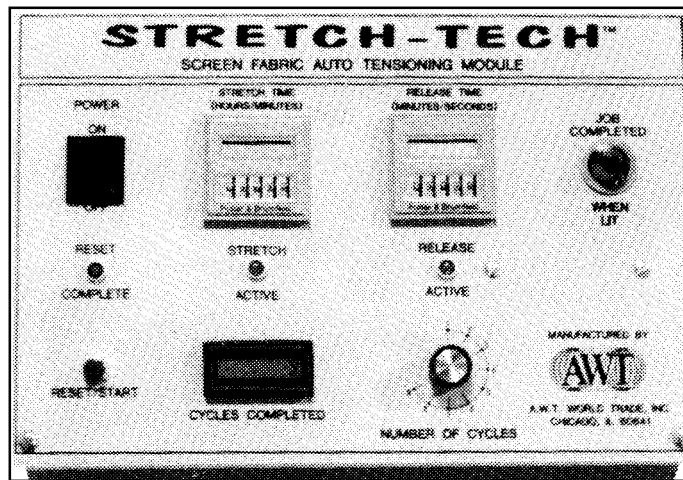
The optional Stretch-Tech Auto-Tensioning Module allows fabric to be automatically tensioned in stages, a professional procedure recommended by major mesh manufacturers. When stretching screens to the higher Newton levels required by today's Quality Control standards, the mesh must "relax" between stretching stages in order to allow fabric to recover its physical properties. This procedure not only eliminates tearing, it also assures consistent tension at all points of the screen. Properly tensioned screens result in better registration, extended mesh life and all around superior press performance.

Once stretch and release cycle times have been set on the Auto-Tensioning Module, the screen stretching process proceeds automatically, without requiring the presence of an operator. The "Job Completion" lamp indicates that the screen is ready for gluing and maintains tension until the operator is free to complete the job.

The Auto-Tensioning Module may be purchased with the Stretch-Tech or separately for easy retrofitting. The unit may also be added to virtually all other brands of pneumatic screen stretching systems to maximize efficiency and screen quality.

STANDARD FEATURES

- Compatible with the Stretch-Tech Screen Stretching System and other pneumatic systems.
- Stretch and release cycle time settings provide full control over screen stabilization parameters.
- Up to 9 full cycle settings.
- Cycle counter indicates job status.
- "Job Completed" lamp lights to alert operator.
- System maintains tension until fabric is secured to frame or module is turned off.



How the Auto-Tensioning Module Works:

- STEP 1:** Load fabric, set pressure and stretching rate on the Stretch-Tech or other pneumatic stretching system.
- STEP 2:** Set the timers on the Auto-Tensioning Module for stretch time and release time variables.
- STEP 3:** Set the number of cycles desired.
- STEP 4:** Press the start button and the Auto-Tensioning Module does the rest. The system will stretch and release the fabric in alternating stages, allowing the mesh to "relax" between stretching cycles. Lamps on the control panel will light to show which stage is in progress and the cycle counter indicates job progress. When the screen has reached the tension set on the main control panel, the Job Completed light alerts the operator. Tension is maintained until the mesh is glued to the frame.

Fast return on investment: *The Auto-Tensioning Module not only saves shop labor costs during screen making, but also minimizes time spent making on-press adjustments associated with improperly tensioned screens.*

Stretch-Tech Components & Accessories

Cat. No.	Description
MCS-40	Stretch-Tech Master Control Cabinet, provisions for 40 air clamps
ARM-10	Auto Retensioning Module 115v, 1Ph, 60Hz*
ASC-8	8" (20cm) Air Clamp
ASC-10	10" (25cm) Air Clamp
ASC-12	12" (30.5cm) Air Clamp
EMA-40	Additional air manifold, provisions for 40 air clamps

*220V, 50 Hz models also available



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