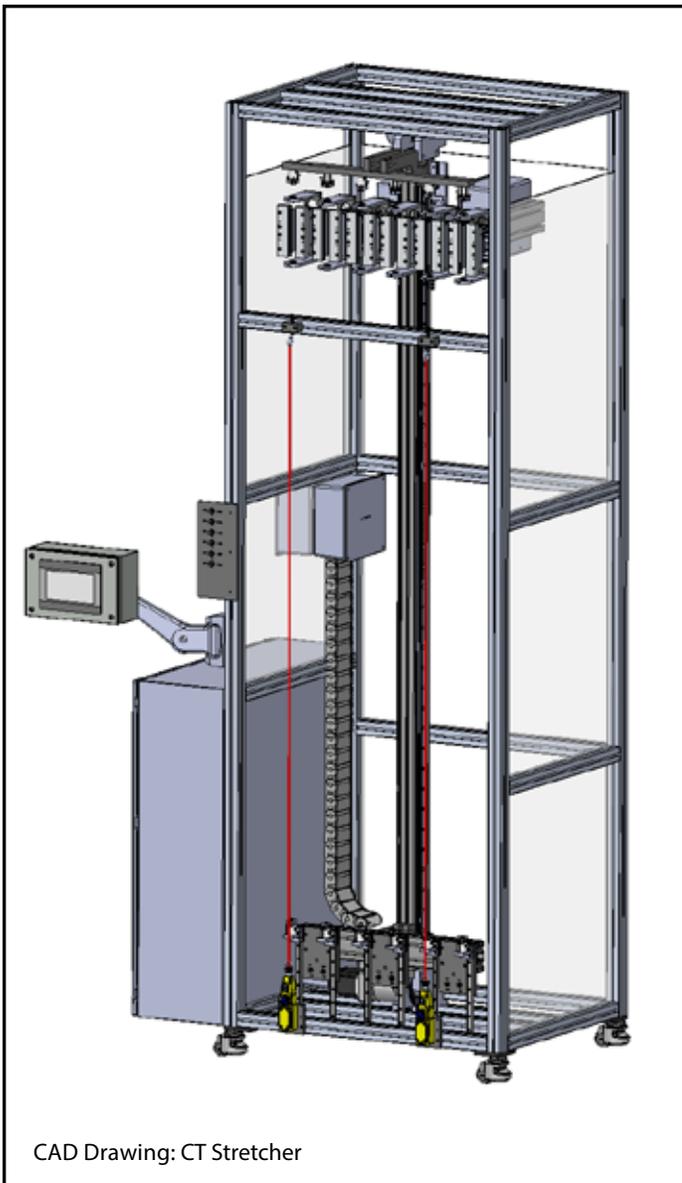


CATH-TECH LINER STRETCHER

The CATH-TECH Liner Stretcher uses a combination of heat and tension to process a liner over a fixed mandrel. This automated process essentially eliminates operator involvement from the catheter liner stretching process and allows for the liner to sit tight against the mandrel and set with minimal relaxation. The CT Liner Stretcher provides a consistent process, eliminates “white liner”, increases throughput by cutting down on scrap, and diminishes possible delamination issues during production.



Key Features

- » Up to 20 individual controls can be saved to system controls.
- » Easy to use HMI operator interface.
- » Clamshell design allows for process flexibility and increases process length.
- » Individual temperature controllers
- » Exchangable chambers and guides
- » Dead weight system implementation
- » Machine height adjustable (upon request)
- » 208-240 vac. single or 3 phase power
- » System processes can be configured for different liner and mandrel set-ups

Options

- » Safety
 - Door with indicator switch
 - Door with safety interlock
 - Open with pull cables
 - Light Curtain
- » Loading elevator recommended for machine height over 107"
- » Tension load cell system with set and feedback to HMI
- » Customizable grippers

Check out our other CATH-TECH product cards for more manufacturing automated equipment options.
Find us online at www.randde.com or call 651-408-1044

CATH-TECH

LINER STRETCHER

Data Spec Summary

Temperature Accuracy	(+/-) 2 °F	Heater Travel Speed	0.1 mm/sec. - 10 cm/sec.
Air Pressure	80 psi minimum	General Warranty	1 year
Power Requirements	208-240 VAC single phase 30 AMP		
Product Diameter	0.020" - 0.250"		
Product Capacity	1-12 units (dependant on design)		

Machine Dimensions

Shipping Weight: 900 -1400 lbs (408 - 635 kg)
 Machine Weight: 500 - 1000 lbs (226 - 454 kg)
 Overall Height: 107" - 160"
 Width - 60" (1524 mm)
 Depth - 38" (965 mm)

**Lead time for machine production ranges, depending on availability, is between 5-10 weeks ARO. Expedition of products is available at additional cost.

CATH-TECH Liner Stretcher Specifications

Fully customizable options available (ask for details)

Heat Controls: Heaters are controlled independently with the ability to run the machine with up to 1-12 heaters in operation.

Adjustable chuck assembly loading heights

Gripper Assembly: Grippers have a working diameter of 0.020" - 0.240"

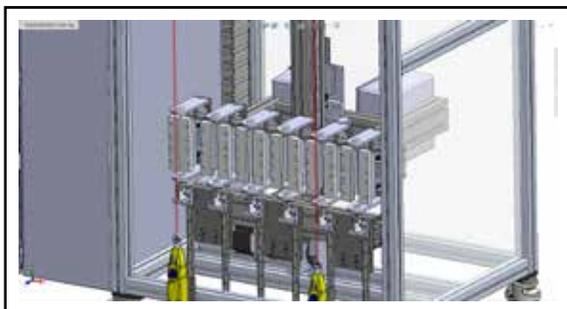
Software drive with touch screen interface: This software allows up to 5 zones which can be started or delayed at the end of each zone. Set-up can be programmed for future project runs, or as needed.

Aluminum extrusion modular frame with polycarbonate panels incorporated into the rear sub-panel to reduce heating of the surrounding environment.

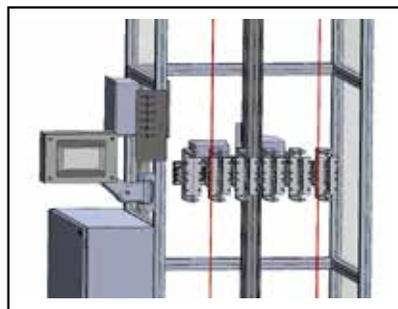
Product length (on standard machine): Min - 25 cm (10") to Max. 180 cm (71") - Customized options available.

Heater assembly traversing is accomplished by a servo motor. Typical speed of motor depends on units of measurement applied. (Eg. 15 cm /sec.)

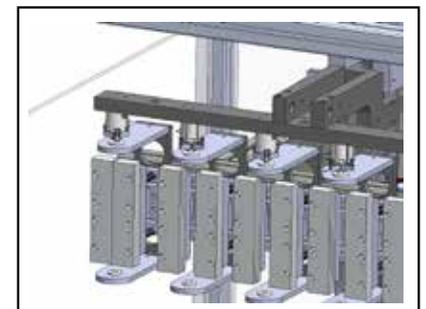
Sectional View



Heat carriage at lower travel limit.
Tensioner system shown



Heat carriage at mid-travel limit



Heat carriage at upper travel limit

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