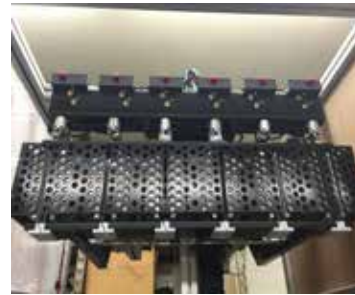


Cath-Tech Reflow (or Laminating) machines are built using a signature convection heating process that provides superior results. It's designed with your catheter production in mind and focuses on maintaining consistency and helping to increase overall production. This is achieved by using a precise amount of heat and speed to melt all the tubing segments, TFE, or Pebax liner, and braid to make one uniform and seamless catheter tube. The Reflow machines can be customized to fit your specific requirements and support your end production goals.



Key Features

- » 1 - 12 chamber design.
- » 5 programmable zones with 5 different speeds, distances, and dwell settings at the beginning and end of each zone.
- » Programs can be saved (up to 20 on a standard unit) and recalled as needed.
- » Additional features include auto loading or loading elevators, custom guides and guide holders, and additional security features (light door).

Choose from 4 different machine types

Chamber
Clam Shell

Roller
Short Tip (Table Top)

Data Spec Summary

Temperature Range	Ambient to 750° F (399° C)	Product Length	180 cm (71")
Accuracy	(+/-) 2°F (2.78°C)	Product Diameter	Custom Options Available 0.020" to 0.875" 0.51 mm to 22.23 mm
Air Pressure	30-80 psi	Single Run Product Capacity	1-12
Compressed Air Requirements	80 psi at 13 cf/min	Heater Travel Speed	0.1 mm/sec or 0.01cm/sec
Power Requirements	208-240 Single Phase or 3 Phase	General Warranty	1 year

Machine Dimensions

Shipping Weight: - 750 -1200 lbs (340 - 544 kg)
Machine Weight: - 450 - 800 lbs (204 - 227 kg)
Overall Height: 48 -180" (1219 - 4572 mm)
Width - 60" (1524 mm)
Depth - 38" (965 mm)

**Lead time for machine production ranges, depending on availability is anywhere from 2 - 10 weeks ARO. Expedition of products is available at additional cost.

Cath-Tech Reflow 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 height.
- Chuck assembly: Chuck has 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 - 10 cm (2") to Max 180 cm (70.87") Customizable 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).

About Us

The R & D Engineering team has more than 40 years of collective experience in the design and manufacturing of custom machines and tooling for the medical device market. Our experience, capabilities, and knowledge enable us to work across various processes and applications. Providing focus and expertise to catheter manufacturing equipment and custom automation to improve our customer's quality and productivity. Our team has expertise in process design, programing, process development, automation, product manufacturer, and customer service.



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