



CATH-TECH™ Reflow

Cath-Tech™ Reflow (or Laminating) machines are built using our signature convection heating process that provides superior results. It's designed to maintain consistency and increase overall production. This is achieved by using a precise amount of heat and speed to melt the tubing segments combining the TFE liner and braid to make one cohesive catheter shaft.

R&D Reflow machines can be customized to fit your specific requirements and support your end production goals.



KEY FEATURES:

- Multi chamber design
- 5 programmable zones with 5 different speeds, distances, and dwell settings at the beginning and end of each zone.
- Program up to 20 configurations, on a standard unit.
- Additional features include load elevators for heights over 108", custom guides and guide holders, and additional security features (light curtain).

UNIVERSAL SPECIFICATIONS

Shipping Weight: 750-1200 lbs (340-544 kg)

Machine Weight: 450-800 lbs (204-227 kg)

Height: 48-180" (1219-4572 mm)

Width: 60" (1524 mm)

Temperature Range: Ambient to 750° F (399° C)

Accuracy: (+/-) 2° F (2.78 C°)

Air Pressure: 30-80 psi

Compressed Air Requirements: 80 psi

Power: 208-240 Single Phase or 3 Phase

Product Length: 71" (180 cm)

Process Speed: 0.1mm/sec or 0.01 cm/sec & up to 100mm/sec. (10cm/sec)

Product Diameter: Custom options available - 0.020" to 0.875" (0.51 mm to 22.23 mm)

Single Run Product Capacity: 1-12

General Warranty: 1 Year

MACHINE SPECIFICATIONS

Heat Controls: Heaters are controlled independently with the ability to run the machine with up to 1-10 heaters in operation.

Adjustable loading height with elevator on 108" and over

Gripper assembly: Gripper Jaws have a standard working diameter of 0.188" (custom holder sizes available upon request)

HMI: Program up to 5 zones

Frame: Extruded aluminum framing.

Safety: Use polycarbonate sheeting to protect operator & machine.

Product length (on standard machine): Min - 10 cm (2") to Max 180 cm (70.87)" (Customizable options available.)

Process Speed: Controlled by Servo motor & gear box for precision control at the lowest speeds.



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