



An MMT Company

CATH-TECH™ Reflow Clam Shell

Automated Catheter 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.



Choose from three different machine types:

- Chamber
- Clam Shell
- Split Die

Key Features

- Multi chamber design
- 5 programmable zone 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).

Machine Specifications

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

Adjustable loading height.

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

HMI: Program up-to 5 zones

Medical Manufacturing Technologies (MMT) brings together applications expertise, technical solutions, and aftermarket support to revolutionize medical device manufacturing.

We design the most efficient manufacturing processes, from ideation through production and beyond, to solve the world's most complex medical device challenges. Patient safety is paramount; our integrated approach ensures unmatched, ultrafine precision and end-to-end quality control.

Learn more at mmt-inc.com.

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: 0.1 mm/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: 1Year

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.



Your Connected Partner

for End-to-End Medical Device Manufacturing

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