



Solid Chamber Reflow Towers

MMT's R&D Engineering Solid Chamber Reflow (or Laminating) Towers 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.

The Reflow Towers can be customized to fit your specific requirements and support your end production goals.

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:	208-240V 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



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).

To learn more about the Solid Chamber Reflow Towers, including a comprehensive list of features and specifications, please visit:



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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



R&D Engineering is proud to be an MMT company – the sole source for automated, process-driven medical manufacturing.

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