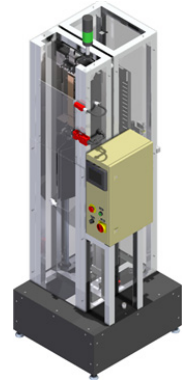




# Control & Automation Companies

Integrated Engineering Solutions for Global Companies

## Laminating Machine MODEL CAC-RF-003



Control & Automation Companies (CAC) Thermal Shrinking / Laminating machine is designed to apply a precise amount of heat to a wide variety of tubing commonly used in the manufacturing of braided and non-braided medical device catheters.

This machine uses innovative heat die technology to control up to 4 different temperatures zones to precisely heat (ambient to 800°F) the full the length of a catheter to provide consistent lamination.

An Optional touch screen provides the ability to save and retrieve up to 10 different product processing recipes. The CAC-RF-003 also offers independent temperature controlled heating zones in the heat die and can also provide a cooling cycle process step to decrease the temperature on the final product at the end of the cycle.

These features help to overcome the problems associated with longitudinal elongation and uneven recovery of the shrink tubing as compared to the use of ovens.

### CAC-RF-003 Vertical Laminating machine features:

- Four (4) station design
- Variable laminating speed controller
- Highly consistent, repeatable catheter lamination
- Temperature control range ambient to 800° F
- Up to 4 different temperatures along the lamination die
- Activate or deactivate the cooling cycle
- Multiple speeds transitions within a single cycle. ( Optional with the stepper motor model)

### Equipment Specifications

LAMINATING INSERTION SPEED	Variable depending on the tubing material
PRODUCT LENGTH	Customized as per customer requirements, Up to 80 inches.
TUBING POSITIONING SYSTEM	Variable speed drive AC motor Stepper motor (Optional)
SYSTEM CONTROL	PLC Controlled – Programmable temperature controller. HMI (Optional)
TUBING DIAMETER CAPACITY	.0015 TO 0.250 INCH
TEMPERATURE CONTROLLER	0.1 F Resolution, ambient to 500 °F
POWER	115V - 220 AC
AMP	15 AMP
Hz	50 – 60
AIR	60 PSI

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