



The MSI Vertical Laminator, VL1000 features our Microswirl 360° thermal nozzle that provides superior uniform heating characteristics and minimizes the incidence of hot or cold spots during the shrinking process versus flat or “C” nozzle technologies. There are ten (10) high efficiency heating nozzles which maximize air flow to the product which allows for faster speed and maximum production throughput.

The touchscreen PC operator interface is designed for saving and retrieving numerous programmable parameter profiles. The machine is capable of 6 length and speed transitions within a single cycle and features tubing guides to ensure product centering within the heat zone and independent temperature control of each thermal nozzle. Universal grippers ensures a full range of products can be processed without need for tooling changes. The loading height can be adjusted so that each operator can load product at a comfortable height.

This machine is an ideal compliment to the SteegerUSA braiding and coiling machines as it is designed to uniformly laminate multi durometer tubing to create a braided catheter with extremely high yields and repeatable results.

### ***VL1000 Features***

- **Process ten (10) products simultaneously**
- **Adjustable height gripper rack for ergonomic product loading**
- **Microswirl 360 nozzle produce an even temperature distribution around product**
- **0-34Fr product grippers and optional centering guides**
- **175, 205 or 255cm travel**
- **HMI Controlled Temperature**
- **Automated Universal Gripper rack 0-34Fr**
- **Universal Funnels**
- **Windows 10**
- **Barcode Scanning**