



# Capabilities Overview

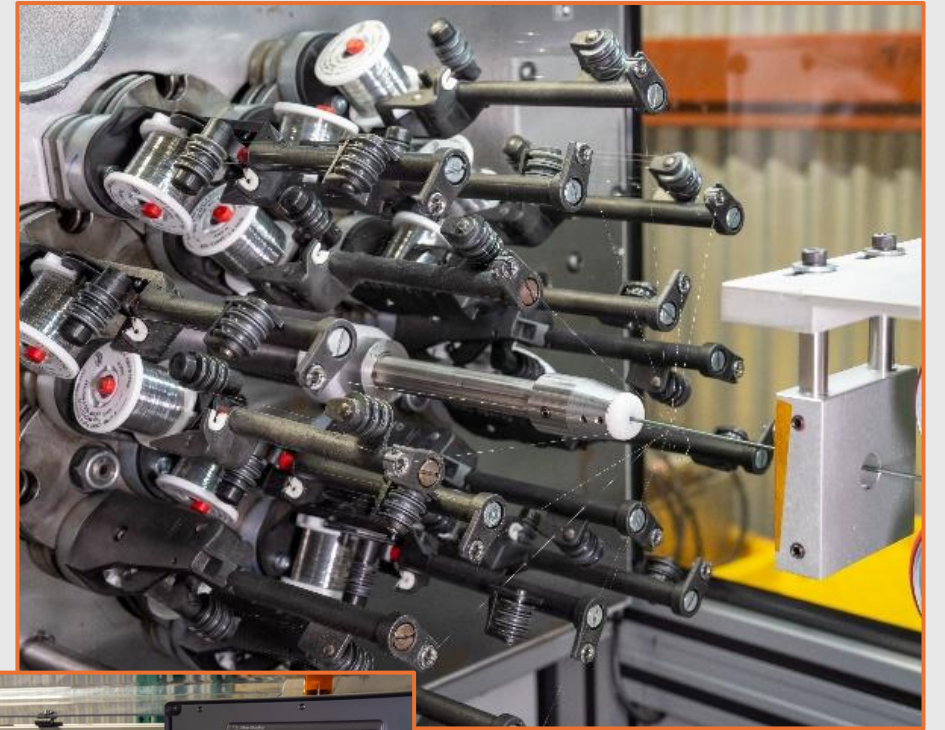
# Catheter Design, Development, and Manufacturing

- Single and multilumen
- Steerable, specialized function
- Endoscopic technologies
- 3 to 30 French
- Structural heart, coronary intervention, urology, nephrology, neurovascular, etc.



# Braided Shafts

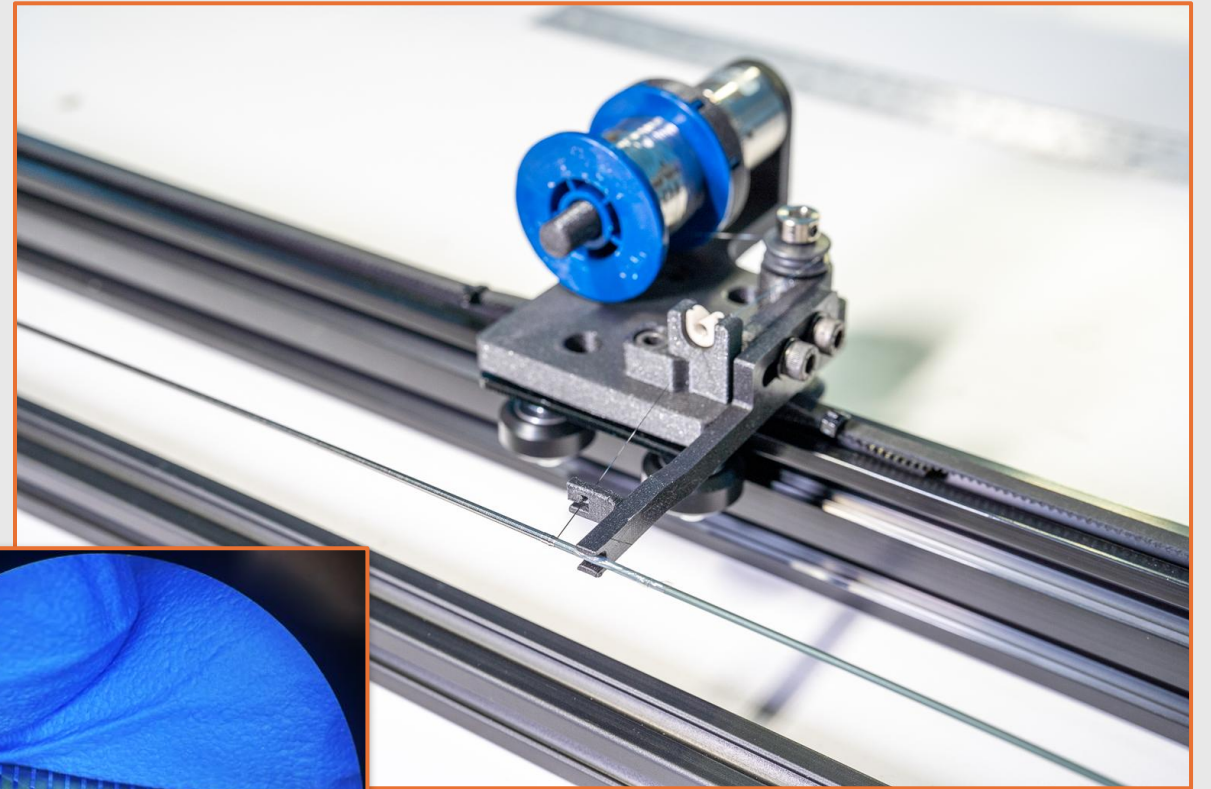
- Fully customizable braid constructs
- Variable pick counts
- Reel-to-reel “braid on mandrel”
- In stock (or off-the-shelf) braid materials
  - 304V stainless steel (round and flat wire)
  - Nitinol
  - Polymer monofilament
  - Thread-based weaves



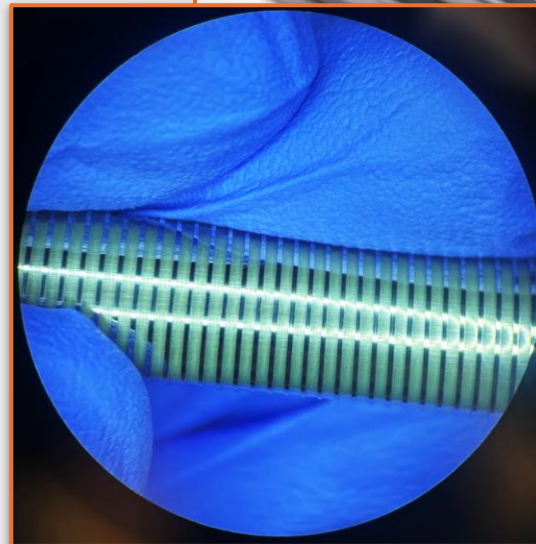
Steeger Horizontal 16-Carrier  
Modular Braider

# Coil Winding

- Variable pitch with capable with CNC control
- Round and flat wire
- 304V Stainless Steel, nitinol, and polymer monofilament

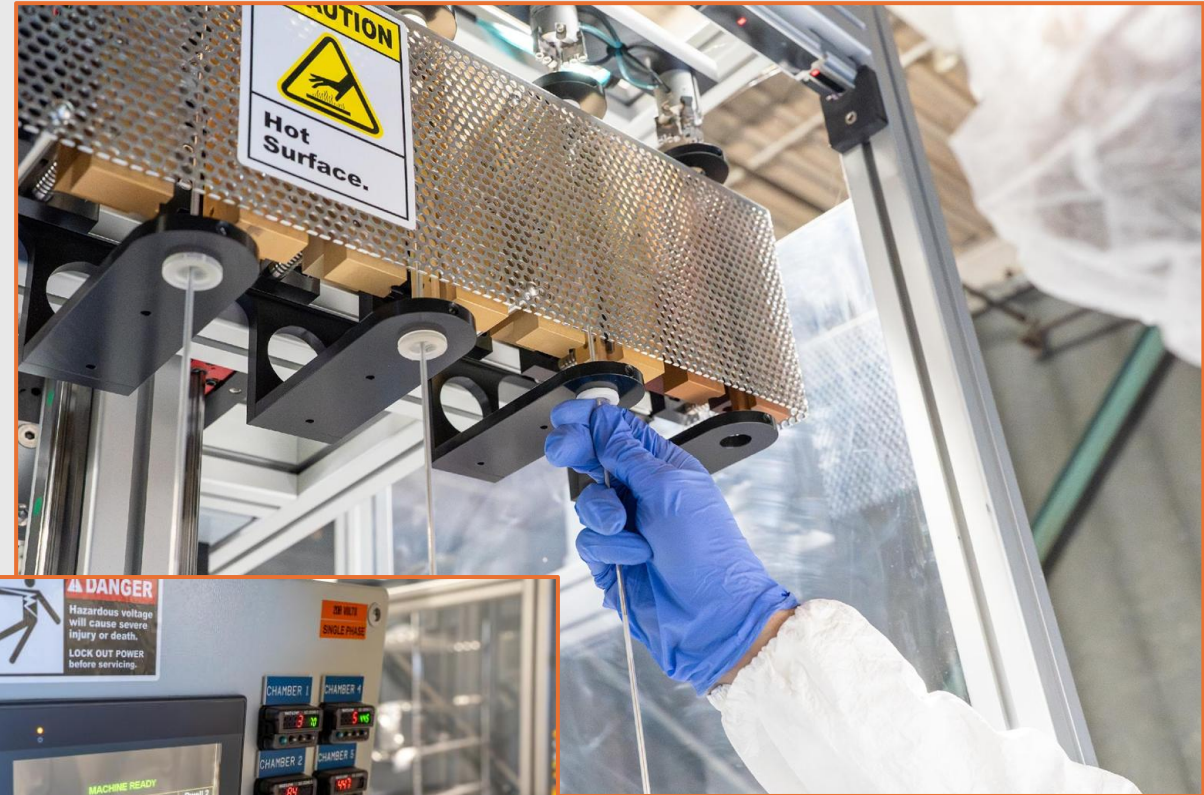


Custom CNC Coil Winder



# Catheter Lamination

- Variable speed and temperature control
- Bottom chuck for liner stretcher or heat shrink tensioning
- Pebax, Nylon, Polyurethane, heat shrink, etc.

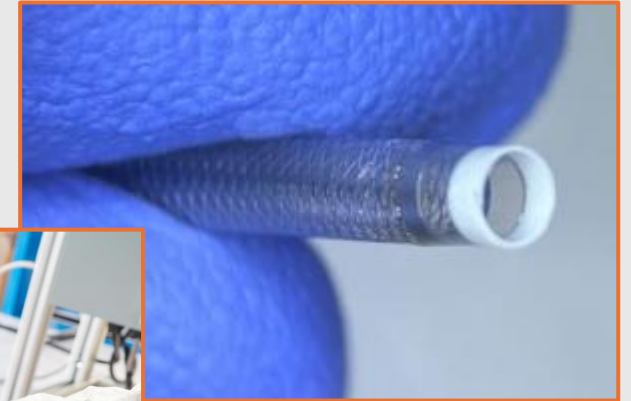


MMT 6-Up Vertical Laminator with Liner

# Tipping, Shaping, Marker Bands

- Custom tip forming
- Precision hole punching
- Custom shaping
- Hot air box operations

Radiopaque Tipping

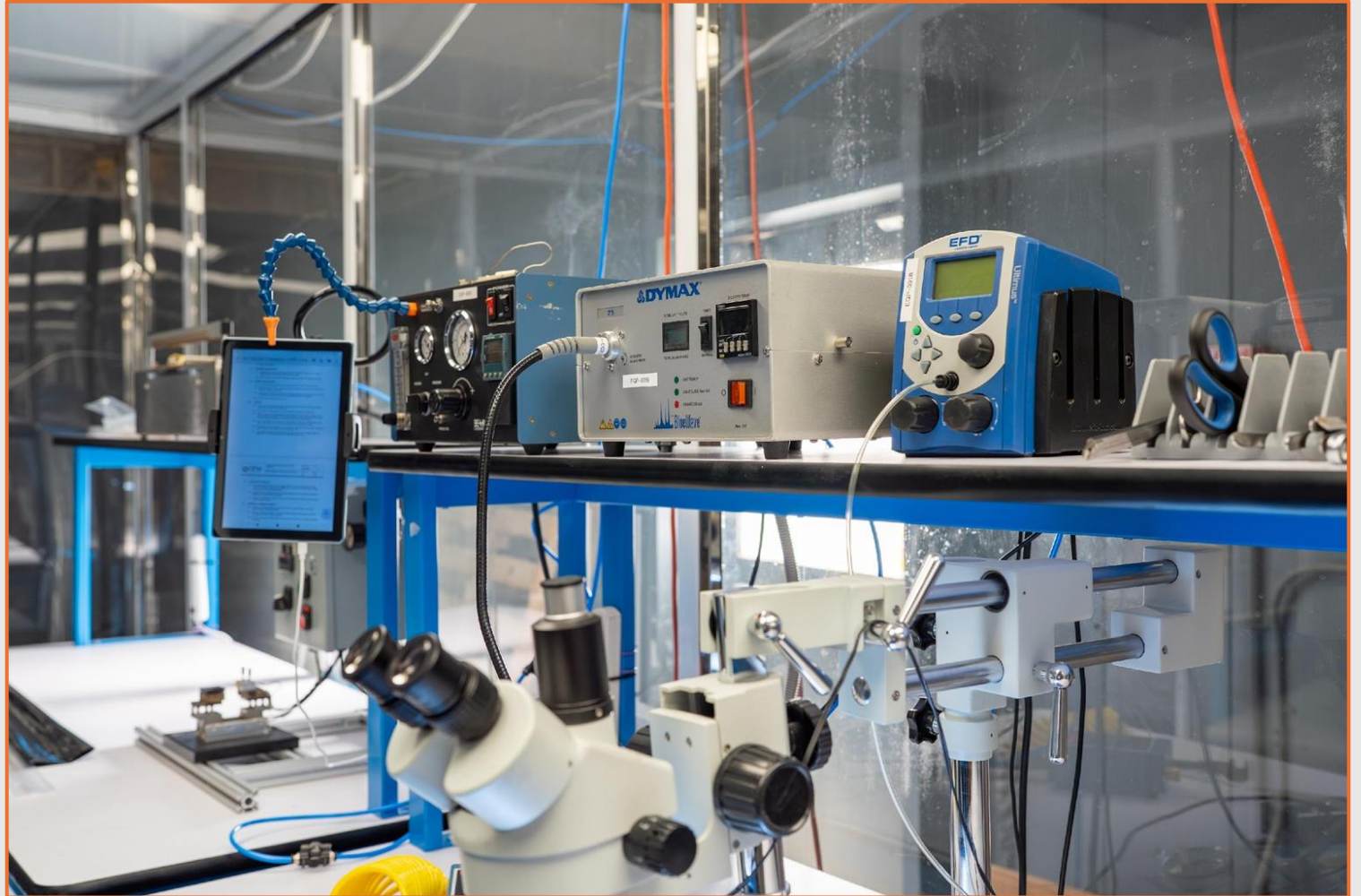


MSI Marker Band Swager



Shaping

# Clean Room Assembly



# Balloon Blowing (future capability)

- Nylon, Pebax, polyurethane, PET
- Multiple machines for increased capacity
- Necking / preforming



# Prototype Fabrication



Laser Spot Welding



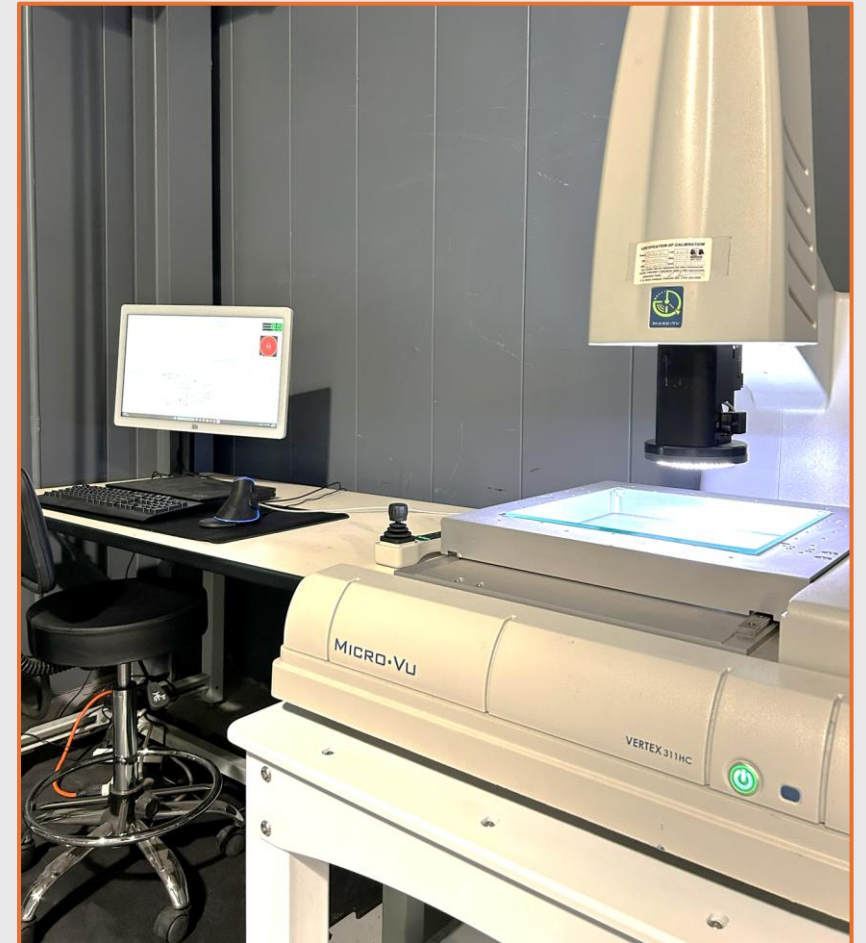
Formlabs SLA 3D Printer



Taig CNC Mill and Lathe

# Quality and Inspection

- Quality Management System
  - General adherence to ISO 13485 and FDA QMSR practices.
  - Design control and full DHF tracking.
  - Material traceability, inspection, and documentation.
  - Systems in place for nonconformances, complaint handling, RMAs, CAPAs, etc.
- ISO 13485 certification - planned Q3 2026.
- FDA facility registration – planned Q4 2026.



High-Precision Optical Inspection



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