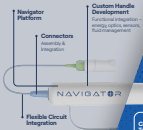


# Catheter Design & Manufacturing

## Handle



## Catheter Shaft



### Catheter Integration, Termination & Assembly

- Fine wire assembly & termination
- Laser welding
- Wrapped flexible circuits
- Integrated electronic components
- Sensor integration & testing

## Distal Tip



### Ablation Tip & Navigation Integration

- Sensors: EMF/nav, pressure and temperature
- Optics
- Fiber optics

### Catheter Tips

- Shape setting
- Irrigated electrode integration
- Tip profiling & optimization



### Distal Tip Assembly

- Custom spline design & assembly
- Automated electrode welding & wire termination
- Full kit/lot component capabilities
- Flexible circuit integration
- Balloon bonding & assembly

### Steerability

- Steerable & flexible tips – multiplanar & multidirectional steering
- Introducers and therapy delivery configurations

# End-to-End Innovation in Interventional Device Technology

Cirtec partners with OEM customers to design, develop, and manufacture advanced interventional devices across electrophysiology, structural heart interventions, cardiac rhythm management, and ventricular assist devices.

Our expertise includes mapping and ablation catheters, transcatheter valve delivery systems, pacemakers, and ICDs. With in-house capabilities spanning multi-lumen extrusion, metal machining, sensor integration, and ASIC development, we deliver high-performance solutions that accelerate time-to-market for our partners.

## Advanced Catheter Technologies Expertise

Navigating Complex Anatomy with Precision Catheter Solutions

- Complex Catheters
- Deflectable and Steerable Catheters
- Microcatheters
- Complex Extrusions
- Braiding & Coiling
- Delivery Sheath Systems
- PTFE Catheter Liners
- FEP Heat Shrink
- Advanced Subassemblies
- Laser Processing
- Coil Winding
- Neurovascular Coils

## Therapy Markets Served



Precision Engineering for  
Reliable Interventional Therapies



Electrophysiology



Structural Heart



Cardiovascular Catheters



Neurovascular Catheters



Peripheral Vascular Catheters



Endoscopic Catheters