Nordson MEDICAL has deep expertise in complex catheters and delivery systems used in energy delivery, drug delivery, implant delivery, and electrophysiology. Our experience allows us to quickly understand the performance characteristics and clinical requirements, so we can work with you to design and manufacture medical reinforced shafts (from 1.2F – 32F) that meet your project’s needs, including designing for flexibility, torquability, minimizing ovalization, kink resistance, pushability, and other mechanical properties.

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Our technical capabilities include:
- Unidirectional and bidirectional sheaths
- Unique designs for in-plane steering
- Multi-durometer shafts
- Use of novel reinforcement materials
- Variable pitch and coiling
- Advanced capabilities to reinforce or shape multi-lumen shafts
- Reinforced Shafts

Our custom coil- and braid-reinforced shafts are designed and manufactured to your specifications. Contact us to discuss your design intent and we’ll work with you to design a complex reinforced shaft with the performance characteristics you need.

DESIGN TOOLS
SimShaft™ Design Simulation Service gives you what you need to make informed design decisions at a fraction of the time and cost of traditional prototype iterations.

Nordson MEDICAL can work with you to design and develop a custom shaft and fully assembled steerable sheath prototype using the Versatility handle platform.