

Nissha Medical Technologies drives innovation in medical technology by investing in and integrating emerging technologies like robotic surgery, haptics, and steerability. We partner closely with physicians, hospitals, and startups like EndoTheia to understand unmet clinical needs and translate them into customized solutions.

Our expertise in design and manufacturing enables the integration of EndoTheia's steering technology across various medical applications. By working with Nissha to incorporate this finely controlled steering technology into their medical devices, OEM's can increase the anatomical reach of their instruments and tools without sacrificing valuable real estate at the distal end of their device.

EMPOWERING OEMS

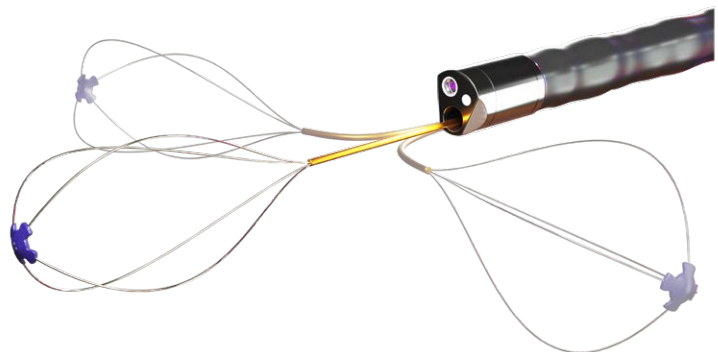
- **Enhanced Reach:** Increase anatomical access in your devices with EndoTheia's steering technology
- **Preserved Functionality:** Maintain valuable distal tip real estate
- **Seamless Integration:** Nissha's design, manufacturing, and commercialization expertise

FEATURES AND BENEFITS

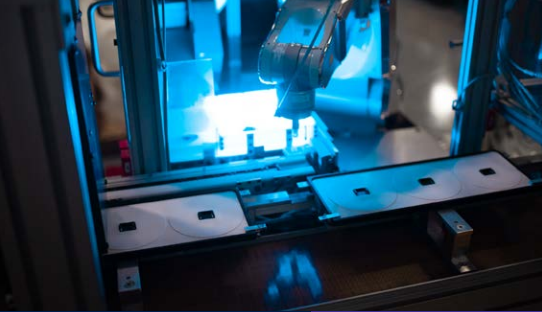
- Scales down (and up) reliably as steering is embedded into the tube construct itself – no pull-wires needed; less breakage
- Enables efficient tool deliverability by providing a large open lumen inherent to the design - easy and efficient tool passage!
- Real-estate efficient design and can scale down to sub-millimeter sizes well – doesn't take up much space!

TARGET APPLICATIONS

- Surgical Robotics and Instrumentation
- Flexible Endoscopy
- Urology
- Otolaryngology (ENT)
- Gastroenterology
- Cardiovascular
- Neurosurgical



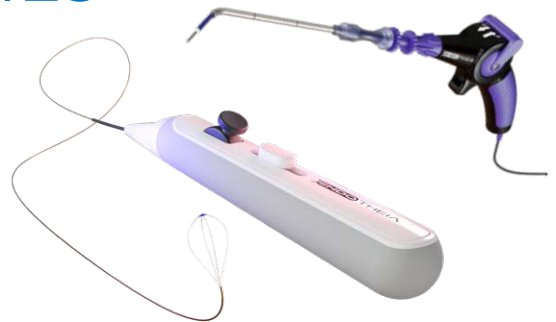
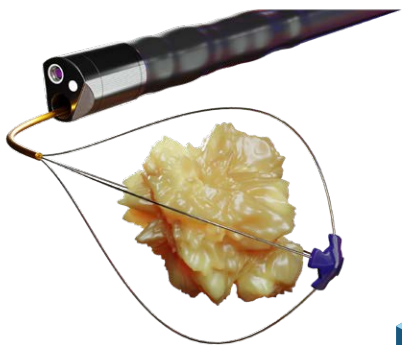
ENHANCED STEERING TECHNOLOGY



EMERGING TECHNOLOGIES

01 MINIATURIZED STEERING CONSTRUCTS

- Smaller and smaller, increased accessibility
- Quicker recovery, fewer complications
- Advanced diagnostics in MIS devices



05 ADVANCED ELECTRONICS

- High-res imaging with endoscopic cameras
- Force and pressure sensors
- Wireless data transmission



04 CMOS INTEGRATION

- Sensor alignment with custom lens assembly
- Raw image testing and calibration
- Integrated light fibers

03 PRECISION MACHINING

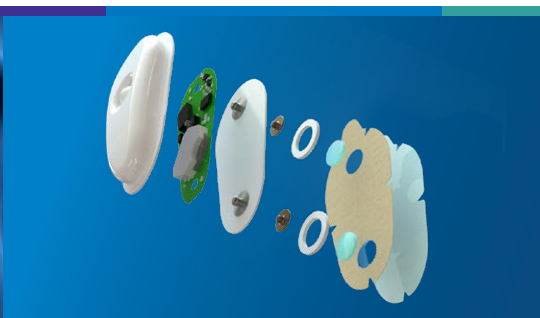
- Tissue interfacing components
- Tight tolerance laser and traditional machining
- Fine-tuned assemblies

02 SURGICAL VISUALIZATION

- Custom camera modules
- Miniaturized high resolution modules
- Advanced diagnostics in MIS devices

06 MICRO MOLDING

- High precision tooling
- Successful filling of high aspect ratios parts
- Slides and lifters to create complex geometries



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