



## GUIDEWIRES

### SPEED YOUR TIME TO MARKET WITH VERTICALLY INTEGRATED CAPABILITIES

As a guidewire leader and innovator, Heraeus provides customers with fully integrated, turnkey solutions that enhance clinical performance and improve supply chain management. We supply guidewires, components and wire based medical devices across the complete lifecycle, including design, product development, Regulatory Affairs and manufacturing.

# YOUR PARTNER IN BRINGING BETTER MEDICAL DEVICES TO MARKET.

Heraeus Medevio acts as a flexible, tailored, end-to-end extension of your engineering and product development teams. With expertise from materials, development, and pilot production to high volume manufacturing including unmatched clinical and technical expertise, Heraeus device experts will also help you efficiently manage global regulatory and submission requirements.

## PRODUCT DESIGN & DEVELOPMENT

Global collaboration hubs committed to design and development with dedicated pilot production lines that can be mirrored in production

## MANUFACTURING EXPERTISE

Proven manufacturing technology excellence and superior engineering know-how to solve complex challenges

## COMMITTED TO QUALITY

170-year history in materials science and trusted quality

## SUPPLY CHAIN OPTIMIZATION

Vertically integrated from concept to completion to simplify your supply chain

With a tailored approach and capabilities from development to manufacturing ramp-up, work with Heraeus to simplify your supply chain, reduce risk and speed your time to market.

### NAVIGATION



### DELIVERY DEVICES



### IMPLANTABLE SOLUTIONS



### GUIDEWIRE MATERIAL OPTIONS INCLUDE:

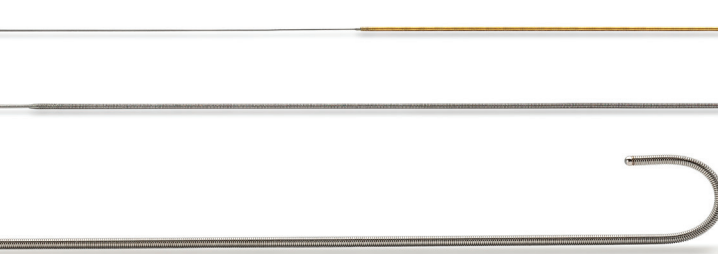
- Stainless steel (core, coil)
- Binary nitinol (core)
- Cobalt superalloys
- Proprietary Triton® alloy (core)
- Platinum and palladium (coil)
- Bimetal core and tip designs
- Tungsten, gold-plated tungsten (coil)
- Range of polymers (distal tip/distal tip radiopacity)

### FULL RANGE PERFORMANCE TESTING

- Tensile (all joints)
- Torque strength (turns to failure)
- Torqueability
- Fracture test (ISO 11070)
- Fatigue resistance & reverse bend
- Tip load/buckling
- Trackability
- Rail support & lateral tip stiffness
- Tip shape retention
- Prolapse resistance
- Lubricity & durability testing
- Three point bend test
- Endoscope & catheter compatibility

### INTEGRATED IN-HOUSE PROCESS CAPABILITIES

- Superelastic wire straightening
- Core grinding
- Flattening / annealing
- Coatings: Hydrophilic, PTFE, adhesion promoters
- Joining: Solder, welding, adhesive
- Surface finishes: Electropolishing, depth ablation and magnetic markers
- Precision coil-winding
- Packaging: Hooped/ pouched / sterile / labeled and / or bulk non-sterile
- Polymer reflow and heat-shrink polymer jackets
- Tip forming (j-tip, pigtail)
- Automation and low cost manufacturing



CONTACT US TO LEARN HOW WE CAN PUT OUR FULLY INTEGRATED, GLOBAL FOOTPRINT TO WORK FOR YOU.

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