



NITINOL PRODUCTS

CAPABILITIES AND TECHNOLOGIES TO KEEP YOU MOVING AHEAD

Partner with our engineers as an extension of your R&D team on the design and processing of nitinol for complex interventional device solutions. Take advantage of our robust experience with tailored designs, as well as custom and plug-and-play laser processing, shape setting, and electropolishing methods to ensure your application-specific requirements are met.

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 Medevio to simplify your supply chain, reduce risk and speed your time to market.



MATERIAL PROCESSING

- Grinding
- Laser processing
- Shape setting
- Electropolishing
- Microblasting

SHAPE-SETTING / HEAT TREATING

- Large expansion ratios are possible
- Shapes can range from simple radial expansion to complex geometries
- In-house fixture design and fabrication
- Active AF testing: bend and free recovery and DSC testing

LASER CUTTING

MATERIAL (WALL) THICKNESS	.002" - .050"
TUBING DIAMETER	.008" - .500" O.D.
TUBING LENGTH	We can accommodate most tubing lengths from 1" to 10'
FLAT CUTTING	Small parts only, up to roughly 1" max dimension

CUT WIDTH (LASER KERF WIDTH)

THIN WALL MATERIALS (FEMTO)	(.002" - .050") Kerf = .0005"-.001"
REGULAR WALL (FIBER)	(.006" - .009") Kerf = .001"-.002"
THIN WALL (FIBER)	(.010" & larger) Kerf = .0015"-.0025"

CALCULATING PART YIELD FROM RAW MATERIAL

PART YIELD PER TUBE LENGTH	$(\text{Supplied Tubing Length} - 6") / (\text{Part Length} + .015")$ (for tubes longer than 6")
SMALL TUBES	Tubes smaller than 6" would be manually loaded on a fixture

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

heraeusmedevio.com | contact us <https://bit.ly/heraeuscontactus>