

# RESONETICS

## THE EXPERTS IN NITINOL PROCESSING & MANUFACTURING SOLUTIONS



## NITINOL CAPABILITIES

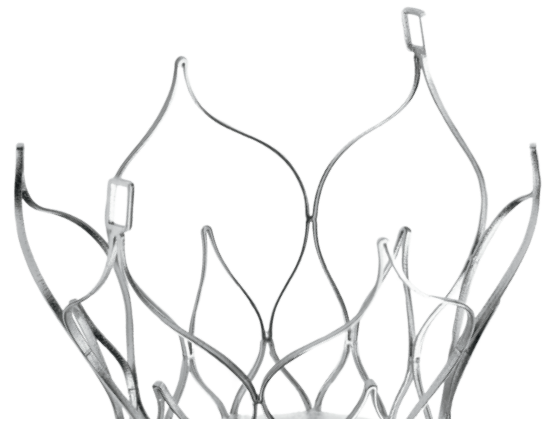
- Laser Cutting
- Shape Setting
- Electropolishing
- Braiding
- Milling
- EDM
- Microjet Cutting
- Welding
- Centerless Grinding
- Laser Ablation

Nitinol, a nickel-titanium (NiTi) alloy, has unique superelastic and shape-memory capabilities essential to medical devices and technologies.

Our expertise in highspeed femtosecond laser cutting, laser ablation, centerless grinding, shape setting, electropolishing, and braiding enables MedTech innovators to leverage this revolutionary material with comprehensive processing and manufacturing solutions.

Our nitinol processing capabilities, dedicated resources, and unmatched expertise help accelerate time-to-market for groundbreaking devices that change and improve lives.

# NITINOL PROCESSING



## Laser Cutting

We use ultrafast femtosecond laser systems to produce nitinol devices faster that require less post processing.

## Shape Setting

We use our in-house precision tooling center to make fixtures to produce complex nitinol shapes.



Standard Specifications	Min	Max
Feature Sizes	0.012mm	10mm
Wall Thickness	0.012mm	1.5mm
Outside Diameter	0.0125mm	20mm

Standard Specifications	Min	Max
Feature Sizes	0.012mm	10mm
Material Thickness	0.012mm	0.5mm
Material Diameter	0.125mm	10mm



## Electropolishing

We lead industry standards in quality and repeatability no matter the shape or complexity of your nitinol parts for flawless surface finishing.

## Laser Ablation

We have developed proprietary processes that use high-speed lasers to 3D machine micro-scale components and devices from a solid metal material. These processes minimize heat input, reduce thermal damage, and can be done in one setup, reducing handling and cost.



Standard Specifications	Min	Max
Feature Sizes	0.012mm	10mm
Wall Thickness	0.012mm	0.1mm
Material Diameter	0.0125mm	10mm

# RESONETICS

[www.resonetics.com](http://www.resonetics.com)