



WE DO IT ALL WITH NITINOL!

PRECISION MACHINING OF NITINOL

- Laser Cutting (HAZ-Free)
- Laser Welding
- Swiss Turning & 5-Axis Milling
- Electrical Discharge Machining (EDM)

TESTING SERVICES FOR NITINOL

- Thermal Testing (DSC and BFR)
- Metallurgical Cross Section Analysis and Mechanical Testing
- Scanning Electron Microscopy with EDX
- Corrosion Testing

SHAPE SETTING OF NITINOL

- Additive Manufacturing for Shape Set Fixtures
- Design For Manufacturing (DFM) Services
- Validated Thermal Processing of Superelastic and Shape-Memory Nitinol

PROCESS VALIDATION FOR NITINOL

- Strategy, Testing and Protocols in Accordance to ISO13485:2016
- Validated Automated Final Cleaning System in Accordance With ASTM F3127

ELECTRO- POLISHING OF NITINOL

- Automated Electropolishing Systems
- Automated Passivation System in Accordance to ASTM A967, ASTM F86, and AMS 2700

PROTOTYPE SERVICES FOR NITINOL

- Dedicated Process Development Center (PDC) for Quick-Turn Prototypes
- Dimensional Inspection Using Computed Tomography (CT) Scanning

Norman Noble, Inc. is the largest contract manufacturer of Nitinol based implants and devices. Some examples of the products we manufacture for our customers include:

- Vascular Stent Implants - Cardio, AAA, Peripheral, Neuro
- Transcatheter Heart Valve Implants
- Neurovascular Clot Removal Devices
- Vena Cava Filter Implants
- Atrial Appendage Closure Implants
- Vascular Closure Implants
- Atrial Fibrillation Devices
- Renal Denervation Devices
- Spinal Implants and Devices
- Extremity Screw and Plate Implants
- Ligament Repair Anchors and Devices

Your Single-Source Contract Manufacturer of Nitinol-Based Implants & Devices

Norman Noble, Inc. 
Microprecision Medtech Manufacturing