

Laser Welding & Machining Nitinol For Medical Applications

ISO 9001:2008 Registered

Example Medical Applications

Flexible Intravascular Tubes
Endoscopic Tools
Biopsy Instruments
Micro Connectors

Material

Nitinol to Stainless Steel Weld

Support Services

Electropolishing / Passivation
Laser Etching
Laser Micromachining
Laser Microcutting
Raw Materials Management
Outsourcing Manufactured Parts
Prototype Development
Process Validation
Research & Development



Nitinol welded to 316 stainless steel tube
Outside diameter: 0.095"

Advantages

This unique technology produces superior weld quality and tensile strengths greater than 75 ksi. Welding nitinol to stainless steel enables cost reduction, improved part performance, and greater flexibility in component design and manufacturing of minimally invasive medical devices.

Mound Laser & Photonics Center, Inc.
965 Capstone Dr., Suite 308
P.O. Box 223
Miamisburg, Ohio 45342



(P) 937-865-4070
(F) 937-865-3680
sales@mlpc.com
www.mlpc.com