

## COMPLEX Nitinol Components

Whether you're looking for a handful of prototype devices or a partner that can scale to production volumes, Nordson MEDICAL can handle your nitinol needs. Nordson MEDICAL specializes in complex nitinol wire braiding and forming and provides innovative solutions for the medical device industry from prototypes all the way through manufacturing. When you're ready to scale, our production facilities are staffed with a team of manufacturing experts, ready to cater to your high-volume production requirements.

### NITINOL BRAIDING CAPABILITIES

- Wire diameters from 0.038-0.5mm (0.0015"-0.02")
- Various wire types and shapes
  - PT, Pt/Ir, etc.
  - DFTs
  - Various wire shapes: round, flat, rectangular, pie, & cable
- Compatibility with a range of device dimensions
  - Outer diameters 1.0-24mm (0.004"-1")
  - Length 2.5-500mm (0.1"-20")
- Integrated elements
  - Radiopaque markers
  - Loops and rings
- Strict process controls
- Unmatched accuracy
- Various assembly methods such as wire forming, braiding, reflowing, pneumatic crimping, soldering, and laser welding

### WHY NORDSON MEDICAL?

Our forming capabilities allow for a more customized product, with a wider range of sizes, shapes, and densities than machine or laser cutting and forming, including:

- Complex geometric structures
- Multilateral closed ends
- Density variations within one product
- Attachment options such as spiral, wavy, or straight tips
- Symmetric and asymmetric structures

# COMPLEX Nitinol Components



## UNMATCHED CAPABILITIES

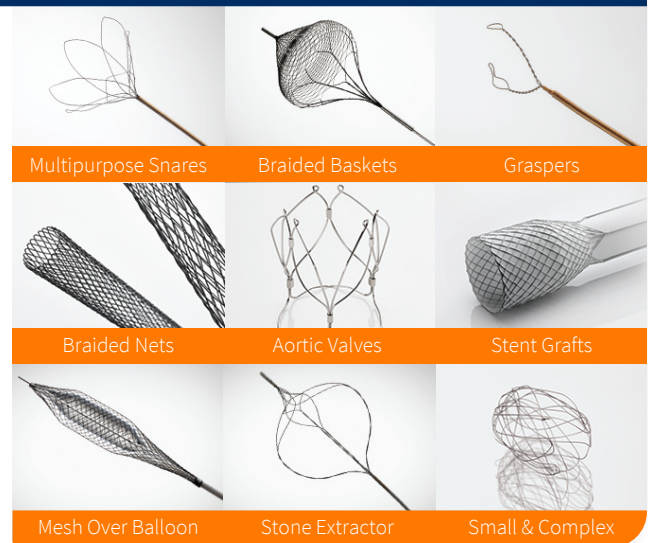
One of the key advantages of our nitinol braiding capabilities is our ability to create a custom product with more specific and intricate features, including a wide range of shapes, sizes, and densities. We can create nitinol components with varying diameters, pitches, and patterns to meet your specific needs. This flexibility allows us to tailor the properties of the component, whether it be a stent that requires a tightly woven braid for maximum support, or a catheter that requires a more open braid for improved flexibility.

In addition to our technical capabilities, Nordson MEDICAL is committed to ensuring the quality and safety of our nitinol products. We adhere to the highest standards of quality. Our manufacturing facility is inspected, certified to ISO 13485, and compliant with FDA regulations. With our extensive experience in nitinol forming and commitment to quality, Nordson MEDICAL is a trusted partner for medical device manufacturers around the world.

## MULTIPLE AVAILABLE CONFIGURATIONS

Nitinol components are used in minimally invasive devices for markets including urology, neurology, vascular, gastrointestinal, and structural heart. Examples of nitinol-based devices include:

- Multipurpose Snares
- Braided Baskets
- Graspers
- Braided Nets
- Aortic Valves
- Stent Grafts
- Mesh Over Balloon
- Stone Extractor
- Small & Complex



Our available engineering development resources offer support on new product manufacturing, reducing development costs and time while also utilizing best practices for component, sub-assembly, and full-assembly development, all backed by a proven track record.

## QUALITY CONTROL TESTING

We also provide quality control testing to ensure your nitinol meets the highest standards for safety and performance. Then, when you're ready to expand, our production facilities are staffed with a team of manufacturing experts, ready to cater to your high-volume production requirements.

By working with Nordson MEDICAL, you can create successful nitinol prototypes and move on to volume production with confidence.