

## Nitinol manufacturing center of excellence



Mexicali facility ISO 9001 & ISO 14001

### The world's only low cost country manufacturing of nitinol sheet and tube

With **over 35 years of nitinol expertise**, we have experience with firsts:

- Our founders helped deliver the first shape-memory products for commercial use.
- We were first to make nitinol sheets, establishing us as the **global leader in nitinol sheet manufacturing today**.
- Our latest first was building the world's only LCC nitinol sheet and tube manufacturing facility, strategically located in Mexicali, B.C. México.

Our investment in Mexicali allows us the unique ability to **onboard new state-of-the-art equipment**, while also providing know-how and expertise from our MDC headquarters in nearby San Diego.



Nitinol sheet rolling

### Growth for you

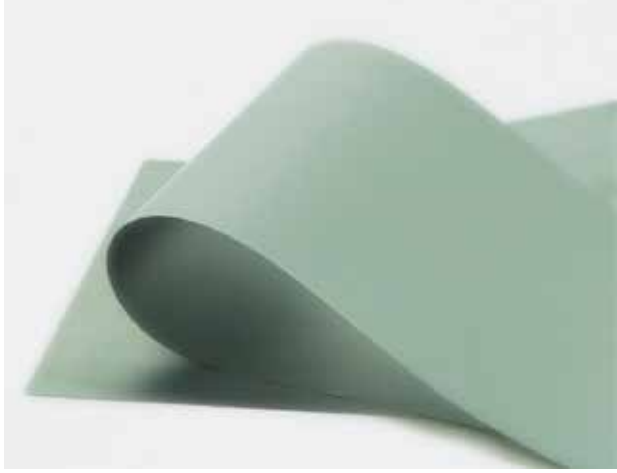
Our Mexicali facility brings **40,000 square feet of manufacturing, dedicated solely to nitinol sheet and tubing**. That's a 2X increase from our prior nitinol facility. The reason we built it--is you. Our goal is to help you reach your growth goals. With our **strong management systems and proprietary techniques** established purposefully within a low cost manufacturing environment, the benefits you will gain are:

- Increased capacity available for your device launch
- Optimized costs to boost your ROI
- Enhanced assurance of high product quality levels
- Dependable deliveries and speedier leadtimes



Nitinol tube drawing

# Nitinol technical specifications

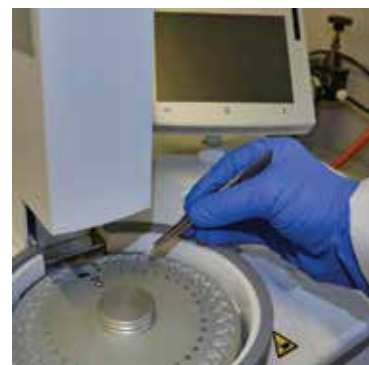


<b>Description</b>	World-class nitinol sheets capable of exceptional thickness uniformity at extreme thinness		High reliability nitinol tubing optimized for catheter delivery systems and can additionally be laser processed into complex structures	
<b>Tolerance</b>	10% of thickness		Range $\pm$ 0.0005 - 0.002 in.	
<b>Dimensional</b>	Thickness	0.002 - 0.090 in.	OD Range	0.010 - 0.393 in.
	Width	4 in. max	ID Range	0.006 - 0.300 in.
	Length	20 in. max		
<b>Surface finish</b>	<ul style="list-style-type: none"> <li>• Oxide</li> <li>• Etched</li> </ul>	<ul style="list-style-type: none"> <li>• Etched</li> <li>• Oxide</li> </ul>	<ul style="list-style-type: none"> <li>• Centerless ground</li> <li>• Oxide free</li> </ul>	<ul style="list-style-type: none"> <li>• Light oxide</li> </ul>
<b>Active Af</b>	<ul style="list-style-type: none"> <li>• Superelastic</li> </ul>	<ul style="list-style-type: none"> <li>• Shape memory</li> </ul>	<ul style="list-style-type: none"> <li>• Custom</li> </ul>	
<b>Quality   Metallurgical testing</b>	Meets or exceeds all applicable ASTM nitinol standards			

## Extended services

Nitinol sheets and tubing is not where it ends for us, it's where it starts. Our extended capabilities were developed through **decades of premier service to the med device industry:**

- Tubing shape setting, laser cutting, EDM, and cleaning
- Design for manufacturability (DFM) support for optimization of surface requirements and mechanical/thermal properties
- Integration of precision manufacturing automation
- Surface/material characterization using SEM/EDX
- Rapid prototypes for design iterations
- Quick access to in-stock developmental materials via our online store



DSC testing



Laser machining tube

Contact our technical experts today

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