

MANDRELS

PTFE Partial or Fully-Coated Mandrels

MCS product quality and grinding expertise mean better surgical outcomes. Our creative design capabilities and flexible manufacturing process enables us to create custom mandrels for your specific application.

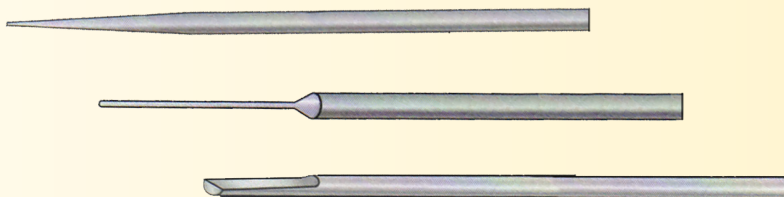
MARKETS SERVED:

Mandrels are forming molds that are used in a variety of applications such as catheter forming, interventional, neuro, laproscopic, and arthroscopic.

PRODUCT OPTIONS:

Step Mandrels

2 or more diameters with precise transitions & interior lengths



Taper Mandrels

Short & Long Transitions

End Rounding

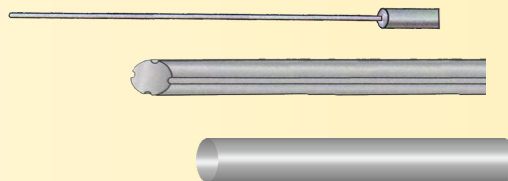
Deburring & Chamfering

Super Mandrels

Nitinol options for superior strength and elasticity

Hollow Mandrels

Increased productivity through superior thermal properties



QUALITY & CERTIFICATIONS

- › ISO13485 implantable medical device manufacturer
- › FDA Registered
- › Lot traceability, complete certification
- › In-Line manufacturing to maintain quality and lower costs
- › Materials used to make MCS products meet ASTM-A313 (304SS), ASTM F-138 (316LVM), ASTM-F1537 (Cobalt-Chrome), ASTM-F2063 (Nitinol)



Your ONE Integrated Source for Mandrels

- › In-Line Capabilities Optimized for Mandrel Production
- › Stepped, Taper, & End Rounding Capabilities
- › Immediate Access to Most Mandrel Materials
- › CNC & Precision Grinding
- › Hollow Mandrel Technology

FRENCH SIZE MANDRELS OFFERED



Contact us for a personalized quote

877-700-7797

info@medicalcomponentspecialists.com

www.medicalcomponentspecialists.com



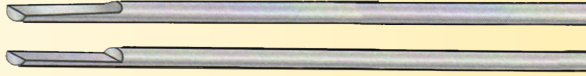
SHORT & LONG TAPERS



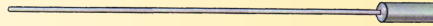
TIP FORMING / WELDING



D TAPER / C-SHAPE



BRAZED ASSEMBLIES



STEERABLE/GROOVED



MULTI-LUMEN / SQUARE



HOLLOW TUBE

with Welded Plug Option



FINISHES & COATINGS

- Standard ground finish, < 16 RA
- Polished ground finish < 10 RA
- Ultra polish finish < 5 RA
- Specialty Coatings - PTFE, Parylene and FEP coatings

MATERIALS

- Tool Steel- M2, 400 Series, Hard Cut Mandrels
- 300 Series Spring Temper & Custom Annealed
- Super Elastic Nitinol
- Precipitation Hardened Stainless Steel- 455, 465, 17-4, 17-7

APPLICATION SPOTLIGHT

MATERIALS MATTER

State of the art materials that fit your application

Nitinol- Ideal for smaller mandrels prone to kinking, Nitinol combines superior strength and elasticity. Our Nitinol "Super Mandrels" last up to 10 times longer than Spring Temper Mandrels.

Hollow Tube - For larger mandrels consider hollow tubes for their ultra smooth finish and superior thermal properties. These hypo tubes will reduce cooling times and maximize your production capacity. Also, plugs can be welded on for clamping purposes.

Tool Steels -Tool steels are utilized for superior strength, hardness, and resistance to abrasion and deformation. Offered at up to 60 Rockwell hardness, these can withstand razor blade cuts directly on surface.

MCS Capabilities

- > Step & Taper Mandrels
- > Through Feed Grinding
- > End Rounding- Deburring & Chamfering or a full Spherical Radius if Needed
- > Ultra Polish up to 2 Ra
- > Process/ Sizing - Straight Wire either Spring Tempered or Annealed
- > "D" & "C" Mandrels - Ground on One Side to Produce a "D" or a "C" Profile
- > Laser Marking for Product ID, French Sizes & Cut Locations
- > High Speed Burr Free- cut to length
- > Welding & Brazing
- > Precision Coating Removal
- > Bending & Forming

A Legacy of Excellence

Medical Component Specialists, Inc. was established in 2002, continuing the legacy of over 60 years of family grinding craftsmanship. Founder Jim Moore, a third generation craftsman, incorporates traditional craftsmanship, passed on through generations, with 21st century technology and a lean manufacturing style.

MCS has quickly become a preferred supplier of precision medical components from wire, rod and tubing to Medical OEM's throughout the US. New England-based MCS has a network of sales professionals located around the country to build personal relationships and provide exceptional customer service.

877-700-7797

www.medicalcomponentspecialists.com

MEDICAL COMPONENT SPECIALISTS — INSTRUMENTAL IN YOUR SUCCESS!

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**Medical
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Specialists, Inc.**



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