# Mandrels

Mandrels are an integral part of many medical devices and medical equipment. Mandrels are used in the production of catheters and other tubes to the use of catheters and other devices that require consistent performance.

Glowtronics specializes in precision grinding and machining solutions for complex custom geometry mandrels used as catheter manufacturing aids and tools.

Some design features include D-Shaped, straightFlat,Coated, Multi Stepped,Bumps, Grooved, Stamped, Ballnosed end, 360 Degree Single Notched, Double Notched, Multi tapered and Angles.

We work with materials that include Stainless Steel, Nitinol & PTFE with tight tolerance and smooth finishes including laser marking and chemical etching. Diameters can range from 0.100mm and upwards.

We are committed to delivering high quality components, held to tight tolerances and that meet our customer's performance needs and costs.

Our Standard tolerances are +/- 0.005mmin diameter and +/- 0.250mm on Length.

Laser and VMS measuring systems for quality control

**Material:** Stainless and Nitinol

**Max length:** Up to 2 meters

**Taper length:** 0.13mm to 100mm

**Mandrel dia:** Minimum/ Max **-** 0.6mm to 5.0mm

***Note:*** *Above components shapes shown in photos are made till date by us & for representation only. We can also make customer specific requirements*

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