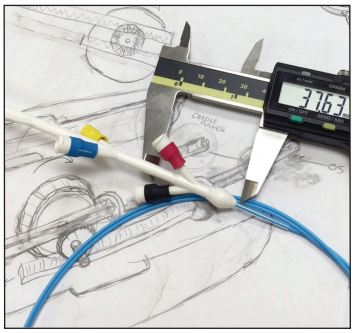
Medical Murray®
Inspired People. Inspired Products.

Research and Development

Design Process

At Medical Murray, our team of engineers deliver creative design services based on a combination of a quality education, varied device development expertise, and state-of-the-art software tools. Our extensive knowledge of catheter design, implant design, and catheter components assembly enables us to provide a complete medical device. Our team will work with you to define every aspect of your concept including:

- Identifying the specifications for your device
- Selecting the appropriate materials
- Creating and testing finished devices
- Writing documentation and appropriate paperwork for FDA approval

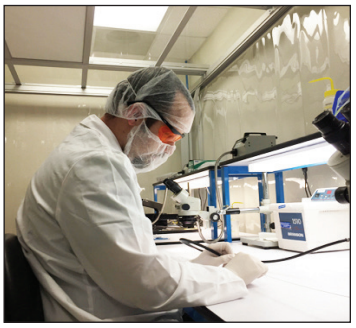


We offer comprehensive development services for the creation of your device with extensive knowledge of catheter and implant design.

Prototyping

Our prototyping labs, located at all of our development facilities, equip the engineering team with capabilities and resources to meet client requirements quickly - resulting in rapid assessment of form, fit and function. Our laboratory is equipped with a wide range of equipment, including:

- 3D printing
- Braiding
- Coiling
- Molding
- Laser welding
- Ultrasonic welding
- Swaging
- Silicone LIM
- Plasma treatment
- Vertical lamination
- Balloon forming and attachment
- Nitinol fabrication and heat setting



Our development process and its documentation comply with FDA 21 CFR Part 820 as implemented through our ISO 13485 certified Quality System.

Pilot Production

The pilot production stage brings together design engineering, process development and quality systems to refine production processes and inspection requirements for volume manufacture. Pilot production devices are built in one of our dedicated cleanrooms with production resources. Using released documentation and materials, these builds support validation testing, animal trials, clinical trials, and market release.

Contact Us For More Information

Our team would like to help you create and implement your next medical device project.

Please contact us or visit our website for more information.

Call us at: **847.620.7990**
Email us at: **info@medicalmurray.com**
Website: **www.medicalmurray.com**

R&D Locations

Illinois
400 N. Rand Road
North Barrington, IL

North Carolina
4508 Westinghouse Blvd.
Charlotte, NC

ISO 13485:2003 CERTIFIED
FDA REGISTERED