



## TFX OEM<sup>®</sup> CUSTOM CONFIGURED CATHETERS

Proven Expertise | Concept-to-Completion Capabilities

# HIGH-PERFORMANCE, INTERVENTIONAL CATHETERS DESIGNED AND DELIVERED TO YOUR SPECIFIC REQUIREMENTS

## WE ARE YOUR SINGLE SOURCE SOLUTION FOR CUSTOM CATHETER FABRICATION

Teleflex Medical OEM is known across the world as a leader in the development of catheter-based products. We can manufacture everything from precision extrusion to finished medical devices. For more than 20 years, we've used our deep expertise and extensive capabilities to take projects from concept to completion.

## MEDICAL DEVICE DEVELOPMENT DELIVERED BY EXPERTS EVERY STEP OF THE WAY

Our global team of highly-qualified engineers, material and polymer experts, PhD scientists, and highly-skilled technicians makes Teleflex Medical OEM stand above the rest. You can count on us to enhance your design, develop functional prototypes, guide you through the maze of global regulations, and scale up for manufacturing. It is all made possible by our vertically integrated, in-house capabilities, which include:

- Design
- Product and process engineering
- Material selection
- Regulatory affairs
- Functional prototype development
- Testing and validation
- Custom tooling
- Manufacturing
- Assembly
- Packaging

Draw upon our skill in secondary operations such as tipping, molding, packaging, and sterilization to create a catheter that is completely customized and suited to your needs.



## EXPERIENCE WITH ALL TYPES OF EXTRUSION MATERIALS AND FINISHING PROCESSES

Teleflex Medical OEM extrudes high-performance materials with outstanding tolerance control, length accuracy, and tubing consistency. Our global network of product development facilities has the ability to produce quality components from a wide range of leading-edge materials, which include PTFE, FEP, PFA, ETFE, and PVDF.

We are the global leader in PTFE extrusions for catheter-based products. The high torque control and stiffness of a PTFE-lined catheter gives it excellent pushability and lubricity. We also can reinforce lined catheters with flat or round wire braid and/or coiled configurations to meet your unique specifications.

## INTEGRATED SERVICES STREAMLINE THE PRODUCTION PROCESS

As a vertically integrated supplier, Teleflex Medical OEM has the experience and resources to manufacture a complete catheter that is ready to use. Unlike other companies who supply only a few catheter components, we can provide everything from extrusions to product sterilization, packaging, and labeling.

Our customers have the security of knowing that Teleflex Medical OEM has complete control over each step of the supply chain and can quickly respond to any immediate need.



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## MATERIALS

Medical catheter and customized-configured tubing are available in the following materials:

- PTFE
- ETFE
- Nylon
- PP
- Acetal
- FEP
- PVDF
- Pebax®
- PC
- PFA
- PUR
- PE
- EVA

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## CONFIGURATIONS AND CUSTOMIZATION

- Braid- and coil-reinforced catheters
- Color matching
- Custom colors
- Custom compounding
- Single- and multi-lumen
- Multi-durometer
- Multi-layer extrusions
- Radiopaque Fillers
  - Co-extruded stripes
  - Barium Sulfate ( $BaSO_4$ )
  - Bismuth Trioxide ( $Bi_2O_3$ )
  - Bismuth Subcarbonate ( $BiO_2CO_3$ )
  - Tungsten (W)
- Small diameter microbore tubing
- Steerable devices
- Cut lengths or on spools

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## IN-HOUSE CAPABILITIES

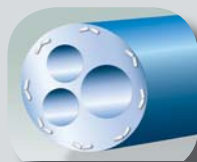
- Adhesive/solvent bonding
- Bonding and laminating
- Coating
- Coil completion
- Dipping
- Etching
- Flaring
- Labeling
- Marker bands
- Melt or paste extrusion
- Molding/micromolding
- Packaging
- Rail extrusion
- Shaping
- Skiving
- Sterilization
- Tipping

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## ISO CERTIFIED FACILITIES

Teleflex Medical OEM facilities are ISO 13485:2003 certified. The manufacturing and design activities are conducted following FDA 21CFR820 requirements of good manufacturing practices.

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Teleflex Medical OEM is a market leader in providing design, development, and production services to medical device manufacturers across the world. We set ourselves apart with deep expertise, decades of experience, and integrated, concept-to-completion capabilities, which include:

- Product concept and design specifications
- Regulatory affairs
- Material selection
- Rapid prototyping
- Testing and validation
- Custom tooling
- Manufacturing
- Secondary processing
- Assembly and packaging

You can count on Teleflex Medical OEM to deliver industry-leading innovations and next-generation solutions for precision extrusions, high-performance interventional catheters, sutures, performance fibers, bioresorbable resins and yarns, and custom medical devices. For detailed information, see [www.teleflexmedicaloem.com](http://www.teleflexmedicaloem.com).

Teleflex Incorporated is a leading global provider of specialty medical devices used for diagnostic and therapeutic procedures in critical care and surgery. Our mission is to provide solutions that enable healthcare providers to improve outcomes and enhance patient and provider safety. We specialize in devices for general and regional anesthesia, cardiac care, respiratory care, urology, vascular access and surgery and we serve healthcare providers in more than 130 countries. For detailed information, see [www.teleflex.com](http://www.teleflex.com).

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