

ADVANCED CATHETER-BASED PRODUCTS CUSTOMIZED TO YOUR REQUIREMENTS

Tell us your product idea. Teleflex Medical OEM can make it happen. For more than 20 years, we've provided our OEM partners with hands-on expertise in every aspect of the design, development, prototype, and manufacture of catheter-based medical products. You can depend on us for innovation, quality, and custom products that can enhance your reputation and profitability.

Think of Teleflex Medical OEM as an extension of your business. We will work closely with you to successfully create anything from a simple component to a private-labeled, finished device. In addition, we offer comprehensive product support services, including manufacturing, package design, sterilization, and regulatory support.

EXTENSIVE LINE OF FLUOROPOLYMER EXTRUSIONS

Our in-house compounding allows us to extrude fluoropolymers and many other high-performance plastics to some of the industry's tightest tolerances. From heat-shrink FEP and PTFE tubing to our new ultra-lite PTFE liners with walls as thin as 0.0005", we manufacture extrusions with outstanding tolerance control, length accuracy, and tubing consistency.

Our facilities have the ability to produce quality medical device components from a wide range of fluoropolymers, including PTFE, FEP, PFA, ETFE, and PVDF.

PTFE extrusion is one of our specialties especially for catheter-based products. The high torque control and stiffness of



a PTFE-lined catheter give it excellent "pushability" and lubricity. Do you have rigorous requirements? We also can reinforce PTFE-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 fully vertically integrated supplier, we have the experience and resources to manufacture a complete catheter that is ready to use. Unlike other catheter manufacturers who supply only a few catheter components, we 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.

LET'S GET STARTED ON YOUR CATHETER-BASED PROJECT

To begin working on your new design, contact Teleflex Medical OEM. Our sales representatives will be happy to answer any questions or put you in touch with one of our highly skilled product development professionals.

CUSTOM CATHETER FABRICATION

MATERIALS

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

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

CONFIGURATIONS

We provide extrusions in the following formats:

- Single and multi-lumen
- Encapsulon™ co-extruded stripes
- Multi-layer extrusions
- Small diameter microbore tubing

RADIOPAQUE FILLERS

Our in-house compounding offers you the flexibility of choosing from a broad range of materials and fillers:

- Barium Sulfate (BaSO₄)
- Bismuth Trioxide (Bi₂O₃)
- Bismuth Subcarbonate (BiO₂CO₃)
- Tungsten (W)

CUSTOMIZATION

Customize your catheter product with these options:

- Color matching
- Custom colors
- Custom compounding
- Cut lengths or on spools
- Etching
- Steerable devices
- Multi-lumen and profile tubing extrusions
- Multi-durometer shaft extrusions

PRIMARY PROCESSING CAPABILITIES

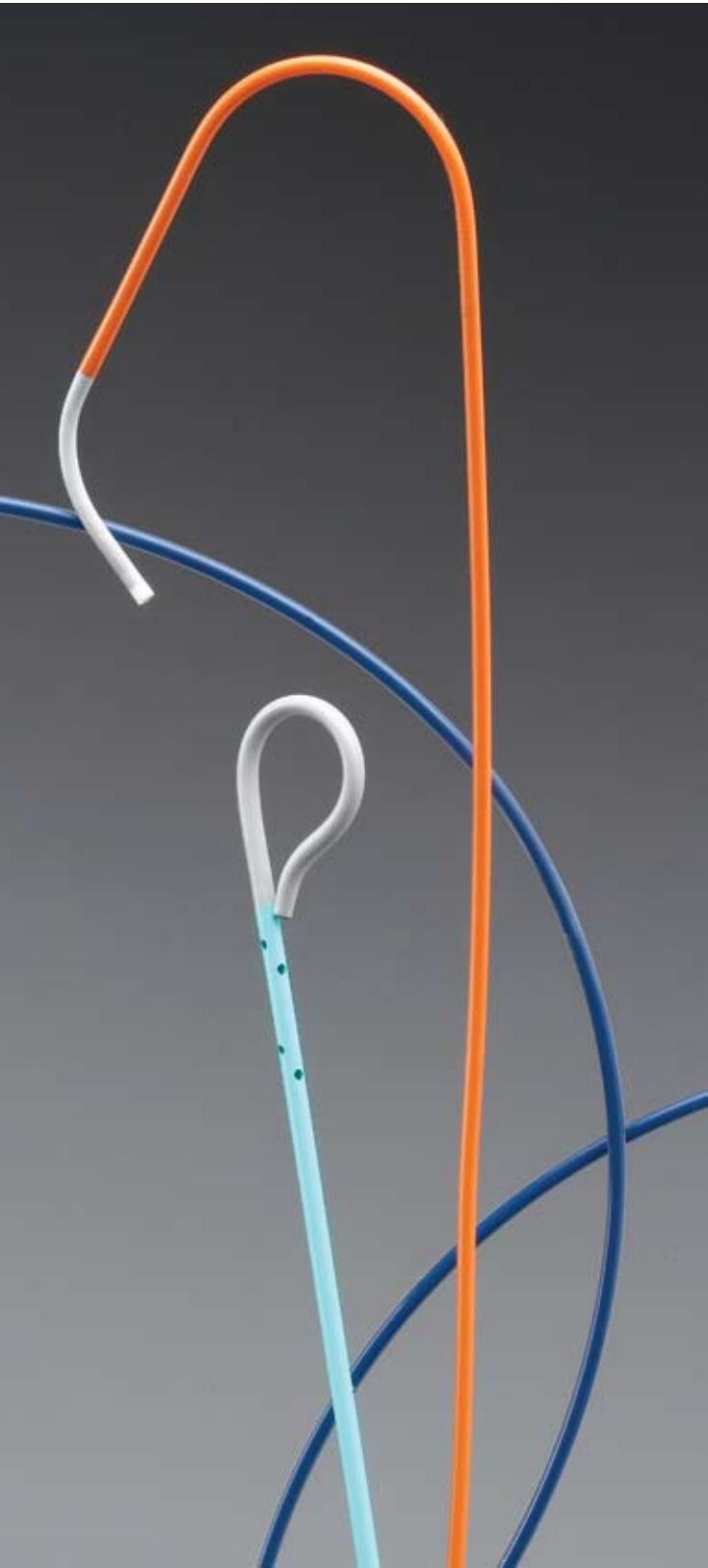
- Braid/Coil reinforcement
- Bump tubing
- Custom compounding
- Heat-shrink expansion
- Melt extrusion
- On-line SPC control
- Paste extrusion
- Lubricious-lined, multidurometer shaft extrusions
- Multi-lumen and profile tubing

SECONDARY PROCESSING CAPABILITIES

- Adhesive/Solvent bonding
- Coil completion
- Dipping
- Etching (liners)
- Flaring
- Labeling and marker bands
- Molding/Micromolding
- Packaging
- Rail extrusion
- Shaping
- Skiving
- Sterilization
- Tip joining
- Tipping

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.



MEDICAL DEVICE DEVELOPMENT DELIVERED BY EXPERTS EVERY STEP OF THE WAY

At Teleflex Medical OEM, our capabilities go well beyond extrusion technology. With our years of experience in medical product development, we can produce a broad range of peripheral and vascular access systems, and custom device trays that are manufactured and assembled to your precise specifications.

Our team of dedicated and experienced engineers can assist in designing, engineering, prototyping, and manufacturing a device that meets your exact requirements. Draw upon our skill in secondary operations such as tipping, molding, packaging, and sterilizing to create a medical device that is completely customized and suited to your processing needs. We provide diverse manufacturing and packaging options including the ability to kit and private label components and devices; then move them quickly and efficiently to your distribution center for shipment to your customers.

Please note: Teleflex Medical OEM utilizes Lean Six Sigma methods at our facilities ensuring that your products are processed with maximum efficiency.

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CUSTOM CATHETER FABRICATION FROM BEGINNING TO END