

PRECISION MANUFACTURING

EXPERTISE, QUALITY, DELIVERED AT SCALE.



MANUFACTURING
SOLUTIONS

PIONEERING INNOVATION AND PERFORMANCE

For over six decades, Cordis has been a proven leader in the precise manufacturing of medical components and devices. We're excited to bring our in-depth industry expertise, history of innovation and manufacturing precision to the broader interventional medical device industry through Cordis Manufacturing Solutions, a Contract Manufacturing Development Organization (CMDO) supplier. We're driving medical extrusions and components forward through:

PROPRIETARY EQUIPMENT AND SOPHISTICATED PROCESSES

High-quality, superior yield and cost-efficient etched PTFE liners, FEP heat shrink tubing, and PEEK extrusions, while supporting advanced finishing processes and in-line quality control.

PRECISION MANUFACTURING WITH CONTINUOUS INNOVATION

Thin-walled, large outer diameter, and small inner diameter extrusions are meticulously tailored for use in coronary and peripheral vasculature, electrophysiology, structural heart, and neurovascular catheter applications.

UNMATCHED EXCELLENCE IN PRODUCTION CAPACITY

Our facilities produce and inspect millions of components per year—supporting high-volume OEM demand and agile development programs.

REGULATORY CONFIDENCE

Our processes are engineered to meet the most rigorous regulatory demands, including FDA, MDR, and ISO 13485:2016, providing full traceability, compatibility documentation, and support through audits or design validations.



MEDICALLY FOCUSED ENGINEERING & MANUFACTURING

With over 60 years of expertise in Class II and III interventional medical device design, manufacturing, and distribution, Cordis upholds its legacy through *Cordis Manufacturing Solutions*, specializing in the engineering and production of high-performance medical-grade components.

Our dedicated cross-functional team works in close collaboration with you to ensure a consistent, high-quality manufacturing process that meets stringent regulatory standards. We specialize in rapid tooling development, enabling customized solutions within a robust, standardized manufacturing framework. Our manufacturing process is highly standardized and validated, enabling our rapid tooling customization without compromising consistency or compliance.



A PROVEN PROCESS DESIGNED TO MEET YOUR NEEDS

Cordis has developed world-class manufacturing capabilities to achieve complex and difficult specifications, high yields, and lean manufacturing processes. Our engineering and manufacturing approach is designed to work with research & development, regulatory, and quality teams to design and manufacture the specific components to your exact specifications.



RAW MATERIAL AND PRE-PROCESS PREPARATION

Specialized resin reformulation and precise additive blending tailored to achieve optimal processability and consistent extrusion performance.



EXTRUSION

High-precision thermoplastic and fluoropolymer extrusion utilizing advanced screw and RAM technology, ensuring tight dimensional tolerances—such as ± 0.0002 " wall thickness for PTFE tubing or ± 0.0005 " for PTFE tubing ID—and continuous inline monitoring for concentricity and wall thickness.



POST-EXTRUSION PROCESSING

Controlled nitrogen-based expansion process of FEP tubing delivers precise, repeatable diameter specifications and excellent heat-shrink recovery ratios.



CUT-TO-LENGTH

Automated precision cut-to-length capability, e.g., from 0.5" to 120" for PTFE tubing, achieving consistent tolerance accuracy and accommodating direct-to-line assembly and custom spooling.



FINAL INSPECTION

Our rigorous final inspection leverages advanced optical and dimensional metrology to ensure full compliance with stringent dimensional, visual, and functional criteria. This process complements continuous inline quality monitoring conducted throughout the extrusion and processing stages.

COMMITMENT TO QUALITY AND COMPLIANCE

Cordis Manufacturing Solutions ensures each product is designed and manufactured to meet stringent quality and regulatory criteria. Certified with ISO 13485:2016, our meticulous processes reflect our steadfast commitment to precision and reliability.

Operating from FDA-audited facilities and backed by decades of experience, our advanced manufacturing platform delivers high-performance tubing and components trusted in mission-critical interventional products.

With a presence in over 70 countries, Cordis's medical tubing products not only comply with global regulatory requirements but also set a standard of excellence throughout the entire medical device industry.

**Please visit us at cordis.com/na/cordis-manufacturing-solutions
or contact us at 800-327-7714**

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