



 MERTMEDICAL™ | OEM

C O A T I N G S



COATED GUIDE WIRE COMPONENTS



Merit's unique process of coating wire prior to coiling, results in a consistency not achieved in conventional spray-coated guide wires, which ultimately prevents cracking as is often encountered.

Typical Application: Guide Wires, Endoscopes, Sclerotherapy Needle

Field: Vascular Intervention (Neurology, Cardiology, Peripheral), Endoscopy, Sclerotherapy

Coatings: PTFE and Hydrophilic

COATED HYPOTUBE SHAFTS



Merit's coated hypotube shafts offer an extremely uniform covering of PTFE or hydrophilic coating. The thin yet effective coating layer allows maximum design freedom for the tubing, especially when the inside and outside diameter is critical.

Typical Application: Balloon Catheters, Endoscopes

Field: Vascular Intervention (Neurology, Cardiology, Peripheral), Endoscopy

Coatings: PTFE and Hydrophilic

COATED STYLETS/MANDRELS



With proven control over coating thickness, Merit guarantees a consistent diameter and tight tolerances. Merit's cost effective PTFE coating is available on wire in a variety of materials, diameters and lengths.

Typical Application: Release and Bonding Mandrels, Extrusion Mandrels, Neuro-Probes, Neuro Delivery Stylets

Field: Vascular Intervention (Neurology, Cardiology, Peripheral), Catheter Manufacturing

Coatings: PTFE

COATED NEEDLE COMPONENTS



Merit's PTFE coating for wire or tube-based needles is extremely thin and uniform. This unique coating layer provides maximum design freedom of the inside diameter for optimal flow rates while maintaining a small outer diameter for less painful insertion.

Typical Application: EMG, Bipolar & Coaxial Needles, Neuro-Probes

Field: Intravenous Access, Neurodiagnostic, Accessories

Coatings: PTFE and Hydrophilic



PTFE COATINGS

LubriSkin™

- Soft, flexible, thin coating
- Smooth surface
- Superior lubricity

An advanced three coat system with a pure polytetrafluoroethylene (PTFE) topcoat. Intended for applications where low friction is of grave importance.

Coated Guide Wire Components

Coated Hypotube Shafts

Coated Stylets/Mandrels

DuraSkin™

- Durable, thin coating
- Smooth surface
- Lubricious

A two coat system in which the low friction of PTFE and the toughness of polyethersulfone (PES) are combined.

Coated Guide Wire Components

Coated Hypotube Shafts

Coated Stylets/Mandrels

HardSkin™

- Hard, rigid, thin coating
- Profiled surface
- Lubricious

A one coat system with a very tough and hard surface finish.

Coated Hypotube Shafts

ShieldSkin™

- Durable, thick coating
- Smooth surface
- Electrical Insulation

A coat system in which the polyethersulfone (PES) is used on its own or in combination with a LubriSkin™ or DuraSkin™ finishing.

Coated Needle Components

HYDROPHILIC COATINGS

SlipSkin™

- For metal substrates
- Slippery when wet for excellent crossability performance

A hydrophilic coating consisting of an N-vinyl-2-pyrrolidone and butyl methacrylate random copolymer.

Coated Guide Wire Components

Coated Hypotube Shafts

Coated Needle Components

HydroSkin™

- For polymer substrates
- Extreme lubricity to maximize patient comfort

A two coat system for polymer substrates. The topcoat contains polyvinylpyrrolidone (PVP).

Coated Polymer Tubing



Merit Medical acquired MCTec's proprietary continuous coating process on January 1, 2006.



OUR MISSION

In open cooperation with customers and suppliers, the Merit mission is to develop, manufacture and continuously improve superior coatings, coating technologies and coated products for the global medical device market.

PUSHING MEDICAL PRECISION

Merit has pioneered and perfected spool-to-spool coating technology for wire and tubing. Mastering reliable and cost-efficient coating processes for the medical device industry, Merit ensures the highest level of performance and quality for our coating-based products.

MEETING YOUR DEMANDS

Merit understands that sometimes the perfect tool for a certain task may not have been developed. From initial concept to production release, we can help you bring your ideas to realization by developing a solution that will precisely match your requirements, perform to your high standards and exceed your expectations.

DRIVE FOR PERFECTION

Merit sources raw materials from the world's leading suppliers of metals, polymers and coatings to ensure that you can rely on a consistent supply of the highest grade end-products.

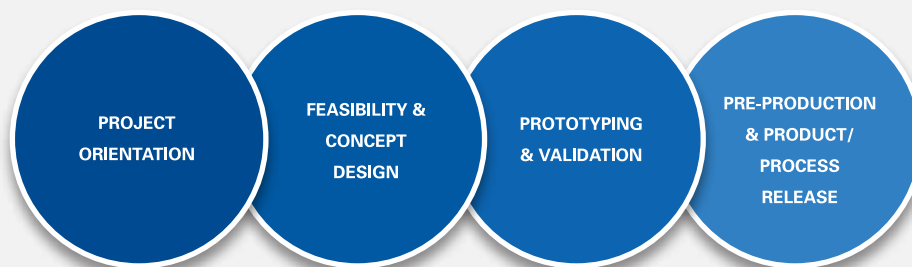
In manufacture, our processes are proven and reliable. In partnership, we value strong working relationships and invest in maintaining solid channels with leading medical research facilities and companies. In practice, we carefully select employees who possess expertise, experience and enthusiasm.



R&D DEVELOPMENT

A dedicated team of R&D specialists works closely together with customers on every new project, determining feasibility on a case-by-case basis and executing the project phase by phase.

R&D PHASES



COATED PRODUCTS UPON REQUEST

Merit is able to produce coated products to your specific demands as long as it fits within our capabilities. Feel free to contact us to discuss your specific product developments.



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