For all your minimally invasive device solutions

+ Design and Development
+ Thermoplastic Extrusion and Moulding
+ Catheter Assembly and Packaging
+ Braiding and Coiling
+ Advanced Delivery Solutions
Quality you can count on

VistaMed’s primary strategy is to achieve total customer satisfaction by supplying defect-free products every time and on time. We have an unrelenting commitment to quality and apply the following principles rigidly through our business processes.

VistaMed is committed to working with our clients to achieve their quality objectives. The team at VistaMed can also assist in the compilation of technical files as part of your CE or FDA application process.

Manufacturing capabilities that we have in-house include:

- ISO 13485 Certification
- ISO 14644 Class 7 and 8 Cleanrooms
- FDA Registered Manufacturing Sites
- First Article Inspections
- REACH Compliance
- Process Capability Studies
- cGMP Compliant
- MDD 93/42 Compliant
- Gauge R&R
- Fully Validated Manufacturing Processes
- Lot Release Inspection
- Regulatory Compliance

The perfect fit for all your minimally invasive device solutions

We specialise in providing design and manufacturing expertise from concept development to finished product for a wide variety of extrusions and catheter based medical devices.

In addition to extrusion and catheter assembly, VistaMed provides:

+ Design and Development
+ Material Selection
+ Validated Manufacturing Processes
+ Project Lifecycle Management
+ Innovative Solutions to Technical Challenges
+ Technical File Compilation
+ Product Testing
+ Inventory Management

VistaMed is a leading provider of complex extrusions, finished catheters and devices to the minimally invasive medical device industry.

The VistaMed Process

1. Design
2. Prototyping
3. Process Development
4. Process Validation and Testing
5. Production
6. Customer
Advanced extrusion solutions

In combination with many years of expertise in tubing and catheter manufacturing, VistaMed continuously invests in the latest process technologies to ensure that our capabilities remain best in class to the challenging needs of the healthcare industry.

A comprehensive range of extrusion capabilities are available from VistaMed.

+ Single-Lumen
+ Multi-Lumen
+ Co-Extrusion
+ Multi-Layer
+ Thin-Walled
+ Balloon Tubing
+ Braided and Coil Reinforced Tubing
+ Bump or Taper Tubing
+ Striped Tubing
+ Wire Coating
+ Profile Tubing

All extrusion is performed in ISO 8 (Class 100,000) clean room facilities.

We produce extruded tubing with OD ranges from 0.2mm (.007”) to 20mm (.787”) and tolerances as low as +/-0.0065mm (0.0002”).

We work with a wide range of materials with different degrees of shore hardness, colour and radiopacitity tailored to your specific needs.

+ Polyurethane
+ PEEK
+ PET
+ Pebax
+ Nylon (polyamide)
+ Polyolefin
+ Polyethylene
+ Polycarbonate
+ FEP
+ PVC
+ PFA
+ PVA
Advanced delivery systems assembly

Utilising our experience in advanced delivery solutions from Stent systems, pain management, A Fib management and neurovascular therapies, we can provide innovative and cost effective solutions for any type of medical device.

- Pull Wire delivery systems
- Coil Bonding
- Laser-drilling
- Tip-forming
- Printing
- Bonding
- Hole-drilling
- Laser Welding
- Coating – Hydrophilic & Electro Conductive
- Laser Machining of Polymers
- Balloon Blowing
- Injection and Over Moulding
- Packaging
- Marker band application

At VistaMed we have the technology and experience to help you deliver your devices or therapy efficiently and effectively.

With 28,000 sq. ft. of Class 7&8 clean room space we can accommodate your device delivery system needs in an ultra-modern manufacturing facility.
Braiding and Coiling

Supported by our depth of braiding and reinforced coiling expertise with proven quality, VistaMed is the leading provider of braided and coil reinforced shaft solutions for minimally invasive medical device systems. We can provide you with braided catheter and coil reinforced solutions either as a sub assembly or complete outsourcing solution, allowing you to benefit from our combined experience in braiding and coiling technological expertise.

From braid on coil, variable pitch coiling, multi-lumen and stepped shaft catheter systems, VistaMed can deliver a custom made design for your project’s needs.

Applications
- Delivery and guiding catheters
- Steering mechanism assemblies
- High-pressure tubing
- Kink resistant sheaths
- Stent Delivery systems

Shaft Dimensions
- OD range: 2 French (0.026”, 0.66mm) through 24 French (0.315”, 8.00mm)
- Wall thickness: 0.005” (0.13mm) - 0.038” (0.97mm)

Materials
- Liner:
  - PTFE
  - FEP
  - PE
  - PEO
  - TPU
  - Nylon
  - Custom Blends
- Jacket:
  - PEOA
  - TPU
  - Nylon
  - Custom Blends
  - Multi-durometer

Coil Dimensions
- Smallest coil: OD 0.18mm
- Largest coil: OD 49.50mm
- Smallest Wire: ø0.018mm
- Largest wire: ø1mm

Value-Added Capabilities
- Tip Bonding
- Insert moulding
- Marker band application
- Braid Termination
- Holes
From a dedicated R&D lab to our vertically integrated approach to complete device manufacturing solutions, VistaMed can take your designs and deliver definitive results.

Design and development / project management

With our State of the art 3D printing of prototypes for proof of concept, to full commercial production VistaMed can support your project, from R&D phase right through to full market release.

VistaMed’s project lifecycle management process helps you design, develop, validate, and deliver your products to the market on time and within budget.

From initial engagement we will assign a highly skilled and resourceful team of experienced engineers to deliver your project from concept phase right through to full production, making sure that all your project milestones are met in accordance with the highest standards of quality and regulatory compliance.
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A global organization

In 2010 VistaMed partnered with Freudenberg Medical.

Freudenberg Medical is a custom manufacturer for the global medical device and healthcare industries. With 11 manufacturing sites worldwide, Freudenberg Medical’s manufacturing capabilities range from product design and development, silicone/thermoplastic molding, thermoplastic extrusion, hypo-tubing, device assembly and packaging. This partnership allows VistaMed and Freudenberg Medical to provide a comprehensive solution to your medical device needs.

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