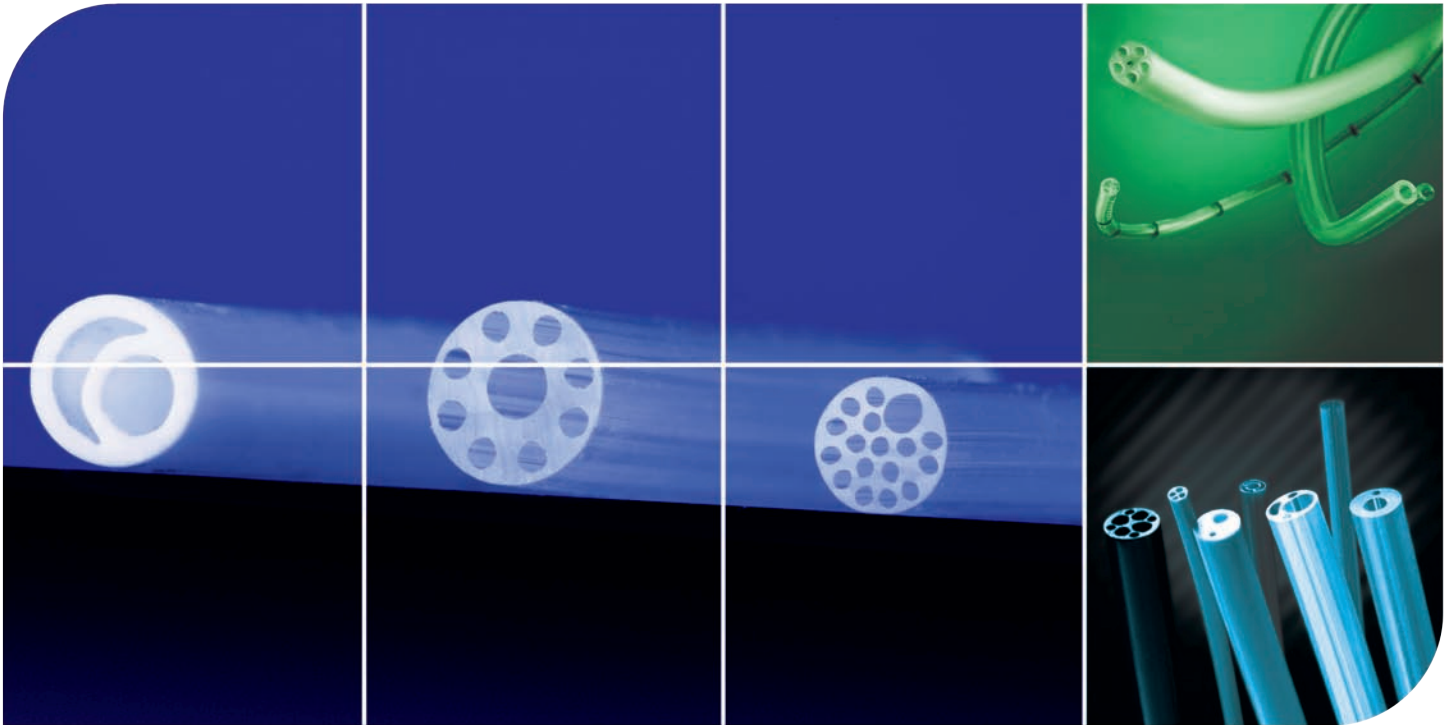


EXTRUMED™

# Multilumen Tubing



## Applications

**Vascular Intervention, Vascular Access, Endosurgery, CRM and Neurostimulation, Including Coronary, Peripheral, Neurovascular, Dialysis, Venous, Urology, Ob / Gyn, Endoscopy and Other Medical Device Applications**

Vesta's ExtruMed™ precision extrusion solutions optimize the clinical outcome of thermoplastics and silicone multilumen tubing for the medical device industry.

## Function

**Provide Channels to Optimize Management of Fluid, Mechanical, Electrical and/or Energy Delivery for Minimally Invasive Diagnostic and Therapeutic Devices**

Lumens serve a variety of purposes in numerous applications, allowing for passage of fluids or drugs, as guidewires, inflation/deflation of a balloon, mechanical devices (instruments, stents, baskets, coils, etc.), electrical/electronic sensors and/or energy delivery (thermal, RF, cryo and UV).

## Description

**Multilumen Tubing Consists of Two or More Working Channels (Lumens) Running the Length of the Tubing**

Vesta manufactures custom multilumen tubing in virtually any configuration. The number, size and configuration of the lumens is limited only by the outer diameter, wall thickness, web thickness and material.

## Molding | Extrusion | Assembly

Silicone inquiries: 414.423.0550 | Thermoplastic inquiries: 951.547.7400  
sales@vestainc.com | www.vestainc.com

ISO 13485:2003 Certified

## Technology

**Tooling, Materials, Process and Quality Control**

Vesta designs and builds the multilumen tooling in-house, ensuring quality control and rapid response times. Vesta employs advanced process technology and comprehensive quality control methods to ensure lumen consistency and patency.

## Competency

**Complex Multilumen Configurations**

Vesta's experienced extrusion professionals understand how to balance design and manufacturability, optimizing customer requirements for performance and cost. Our expertise includes:

- Configurations ranging from 2–20 lumens
- Lumen sizes ranging up to 0.5" (12.5 mm) depending on raw material
- Numerous lumen shapes, including round, elliptical, star-shaped, crescent and others
- Bump tubing and transition tubing (also called tapered)
- Coextruded tubing (striped or multilayered)
- Wall thickness as thin as 0.001" (0.025 mm)
- Spring-reinforced tubing
- Rapid extrusion services

