

## Why Demax?

*Through a persistent efforts and unremitting hard working, Demax Medical has established a reputation for providing concept through production services and support to the medical device companies in the world. With this proud honor, Demax Medical Extrusion is committed to producing and delivering high-quality, close tolerance and overwhelming performance products on time for our customers. Even any critical mission, we have the expertise and experience could guarantee the mission accomplished to your specifications – on time and within budget. At Demax Medical Extrusion, our mission is always your satisfaction with perfect production.*

- ISO 9001 & 13485 certificated
- Rapid extrusion capability including Emergency Case Solution and quick turnaround on extrusion prototypes
- Production in class 100,000 cleanroom
- Experienced on balloon tube production
- Small tube: minimum diameter 0.012"(0.304mm)
- Tight tolerance up to  $\pm 0.0005"$  (0.01mm) (depends on tube design)
- Thin wall tube: minimum wall thicknesses 0.0020" (0.051mm)

# Medical Tubing Extrusion



Email: [Extrude@demaxmedical.com](mailto:Extrude@demaxmedical.com)

Beijing Office  
Tel: +86 (10) 67868057  
Fax: +86 (10) 67860415  
Address: 1st Floor, Building No.1, No.8 Hongdabel road, BDA, Beijing China

[www.demaxmedical.com](http://www.demaxmedical.com)

Sydney Office  
Tel: +61 (02) 9939 7093  
Fax: +61 (02) 9939 0397  
Address: Suite 241, 117 Old Pittwater Rd Brookvale, NSW, 2100



As a quality medical device manufacturer, Demax Medical Extrusion offers various range of precision tubing extrusion service to customers. Our ISO & CE certificated facilities are staffed with employees who are experienced in medical device design and manufacturing would understand customer's unique needs. We have the capability and resources to support projects at any stage in the product development and manufacture service. In addition, our Quality System of all state-of-the-art facilities would ensure Demax Medical Extrusion Division Extrude perfect medical tubing, such as environment control (all production in Class 100,000 cleanroom), medical grade material, process surveillance, and final inspection.

## Our Products

### Balloon Tubing

- Materials: Pebax®, Nylon 11, Nylon 12, and customized material
- OD sizes from 0.012" to 0.060" (0.304mm – 1.524mm)
- Excellent Concentricity > 90%
- Dimensional Tolerance:  $\pm 0.0005"$  ( $\pm 0.012\text{mm}$ ), minimum  $\pm 0.0002"$  ( $\pm 0.00508\text{mm}$ )
- Wall thickness tolerance:  $\pm 0.0005"$  ( $\pm 0.012\text{mm}$ ), minimum  $\pm 0.0002"$  ( $\pm 0.00508\text{mm}$ )
- Inspection of tubing for cosmetic defects
- Tensile & Elongation consistency
- Full production process data available

### Custom Extrusion

- Materials: Pebax®, Nylon, PVC, TPU, HDPE, etc.
- Lumens: multi-lumens, irregularly shapes and sizes
- Wall Thickness: 0.001" (0.025mm) minimum
- Diameters: 0.012" – 0.240" (0.304mm – 6.096mm)
- 100% inspection with computer selection

### Braided Tubing

- OD sizes from 0.050" to 0.200" (1.27mm - 5.08mm)
- Round or flat wires available
- Capabilities include 16 carrier braiders
- Stainless steel wire ranging:
  - Flat wire: 0.001" x 0.003" (0.0254mm x 0.0762mm) - 0.003" x 0.008" (0.0762mm x 0.2032mm)
  - Round wire: 0.0015" - 0.006" (0.0381mm - 0.1524mm).
- Nylon wire ranging from 0.0015" - 0.008" (0.0381mm - 0.2032mm) round wire
- 20 - 125 picks per inch rates (Tolerance  $\pm 3\text{PPI}$ )
- Variable or constant pick pattern
- Continuous layer processing

### Multi-lumen Tubing

- Configurations ranging from 2-4 lumens
- Wall thickness as thin as 0.0005" (0.012mm)
- Tight tolerances can be maintained to  $\pm 0.0005"$  (0.127mm)
- Numerous lumen shapes, including irregularly shapes

### Quality Control

We are confident and responsible in our ability to consistently provide our customers with quality products – efficiently, economically, and to their precise specifications. From concept to completion, our specialty tubing is manufactured using state-of-the-art and proprietary technology under strict quality control standards.

- Integrated control of full process
- Full traceability from material to product
- Statistical process controls and analysis
- Checks and balances at every step of production
- Computerized data for tracking, analysis and comprehensive
- Automatic product selection by customized inspection standards