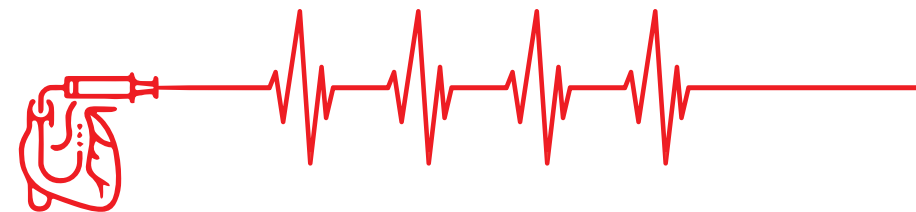


CATHETER MANUFACTURING SOLUTIONS



CUUMed

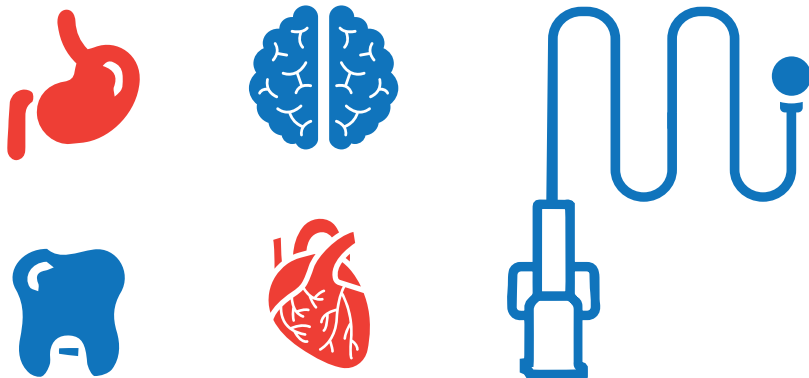
CUUMED CATHETER MEDICAL CO., LTD.
<https://www.cuumed.com>

Advanced Catheter Manufacturing Center



About CUUMed

CUUMed specializes in catheter design, optimal catheter performance construction, and catheter manufacturing solution. Our engineers and technicians have experience in medical material and medical catheter fields for over twenty years. With our knowledge and expertise, we can quickly respond to customers' product requirements and provide manufacturing solution. We offer professional services for a full range of product development and mass production. We have devoted product and process innovation as well as continuous quality improvement.



Serving Customers Around The World

CUUMed has a dedicated production management system to ensure all products can be delivered to customers on time from state-of-the-art facilities. Our quality management system is certified by the regulatory authorities and is compliant with ISO 13485, TFDA QMS, FDA, and CE regulations. With the high-standard quality policy, CUUMed guarantees to provide products with consistent quality to meet customers' specifications and requirements.

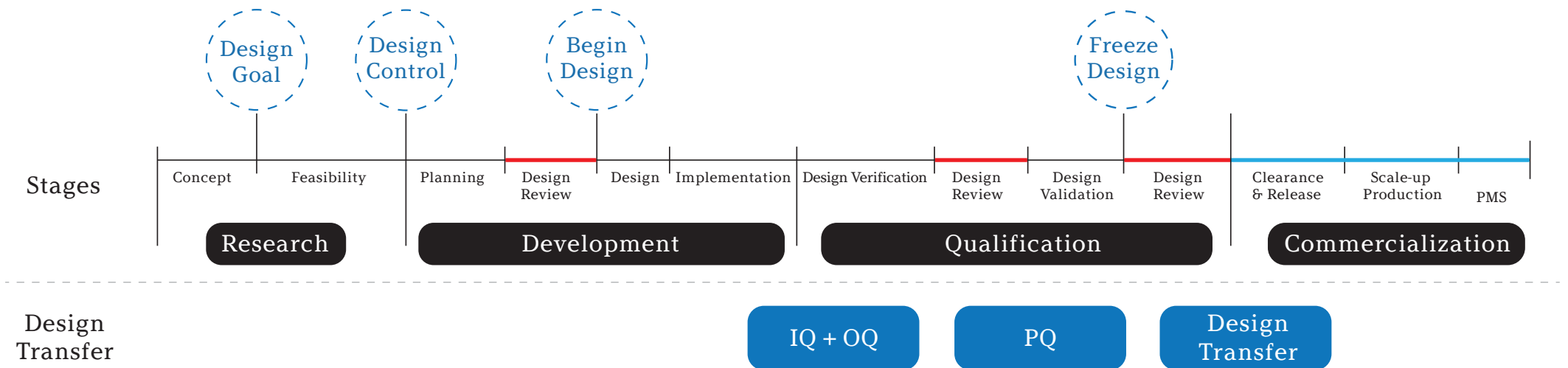
Strict Regulation for Manufacturing Activities

Customized and Consistent Production Capability



The Best CDMO Partner

From Concept to Commercialization



Diagnostic Catheter

A catheter is designed to apply in angiographic procedures. It can be used to deliver radiopaque media and therapeutic agents to specific vascular sites.

Standard Specification

French Size (Fr)	Inner Diameter (mm)	Length (cm)
4	1.00 mm	100~120
5	1.20 mm	
6	1.40 mm	
7	1.60 mm	

Diagnostic and Angiography

[Diagnostic catheter]

Customized material blends,
color intensities and radiopaque fillers

Adjustable braid patterns and configuration

Various secondary processing approaches for
braided catheters, such as tip forming, flaring,
welding and coating

Shape

Customization Capability

JL	Extrusion	Pebax, Polyurethane, Nylon
JR	Braid patterns	Regular, Diamond, Half Load, Coils
Tig	Wire type	Round, Flat, Hybrid (Round & Flat)
AR	Tipping	Multi-durometer options available
AL	Coating	Hydrophilic coating
IM	Luer attaching	Gluings, Injection molding
MPA		
Pigtail		

High torquability, pushability,
burst pressure, steerability,
and kink resistance

Guiding Catheter

Standard Specification

French Size (Fr)	Inner Diameter (mm)	Length (cm)
5	1.47	100
6	1.80	
7	2.08	
8	2.41	

Customization Capability

Extrusion	Pebax, Polyurethane, Nylon
Braid patterns	Regular, Diamond, Half Load, Coils
Wire type	Round, Flat, Hybrid (Round & Flat)
Tipping	Multi-durometer options available
Coating	Hydrophilic coating
Luer attaching	Gluings, Injection molding

Vascular Intervention

[Guiding Catheter]

Intended for use in the intravascular introduction of interventional or diagnostic devices for coronary or peripheralvascular systems.

Multi rigidity segment design provides excellent guiding performance

Flat-wire braid enables kink resistance and good pushability

Shape

JL

JR

AR

AL

MPA

IM

TIG

Large inner lumen provides device to access channel

Radiopaque materials assist in guiding tip orientation

Single-Use Endoscope Tubing & Shaft

Braided shaft

Standard Specification

Outer Diameter (mm)	Inner Diameter (mm)	Flat Wire (inch)	Braid Patterns	Material
3.80	3.20	.003"x 0.009"	Regular, Diamond, Half Load	Pebax, Polyurethane, Nylon
5.00	4.40			
5.80	5.20			

Thin Wall Tube

Standard Specification

Outer Diameter (mm)	Wall Thickness (mm)	Material
2.8	0.07	Pebax, Polyurethane, Nylon
3.8	0.07	
5.0	0.07	

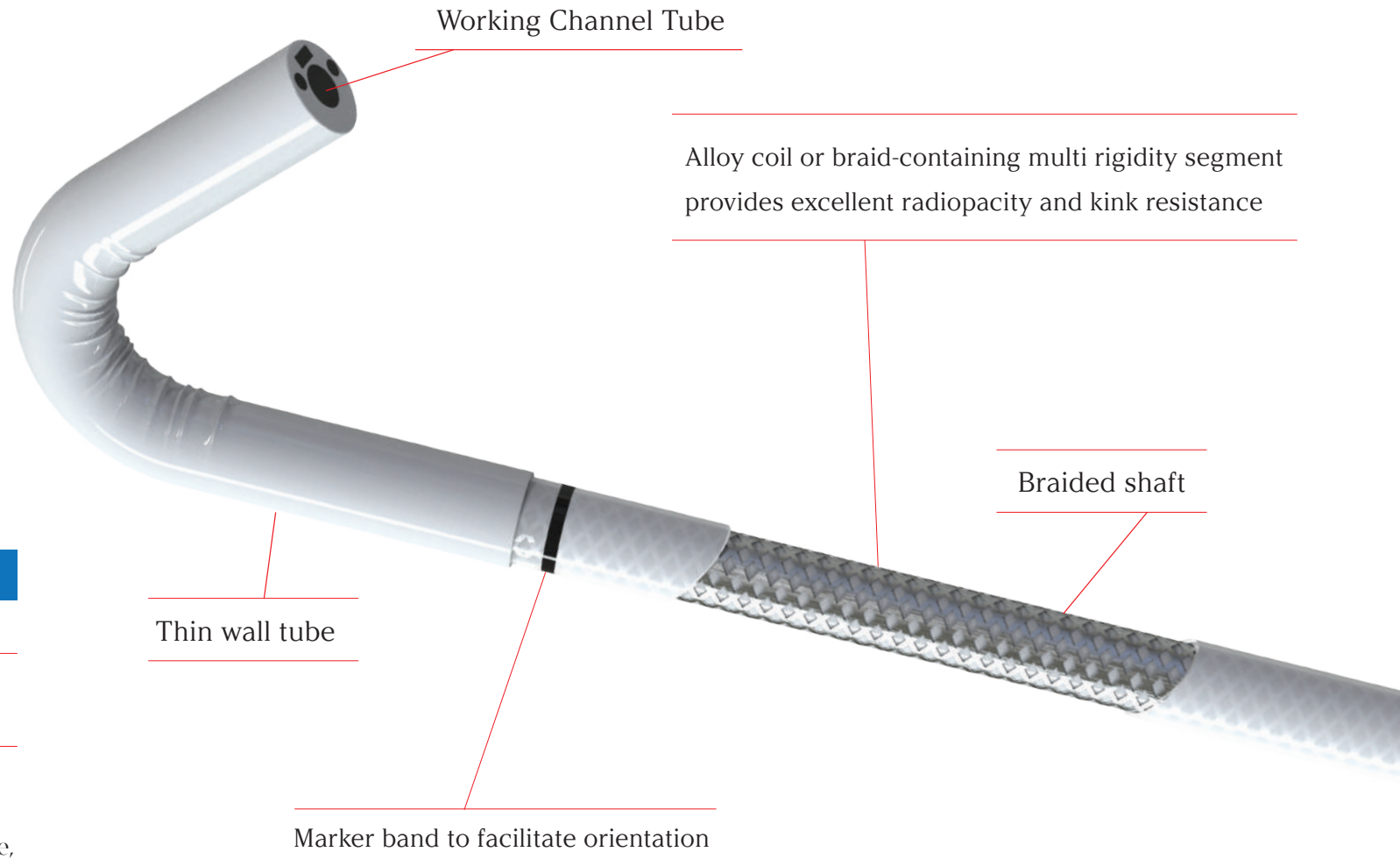
Endoscope

[Single-use endoscope tubing & shaft]

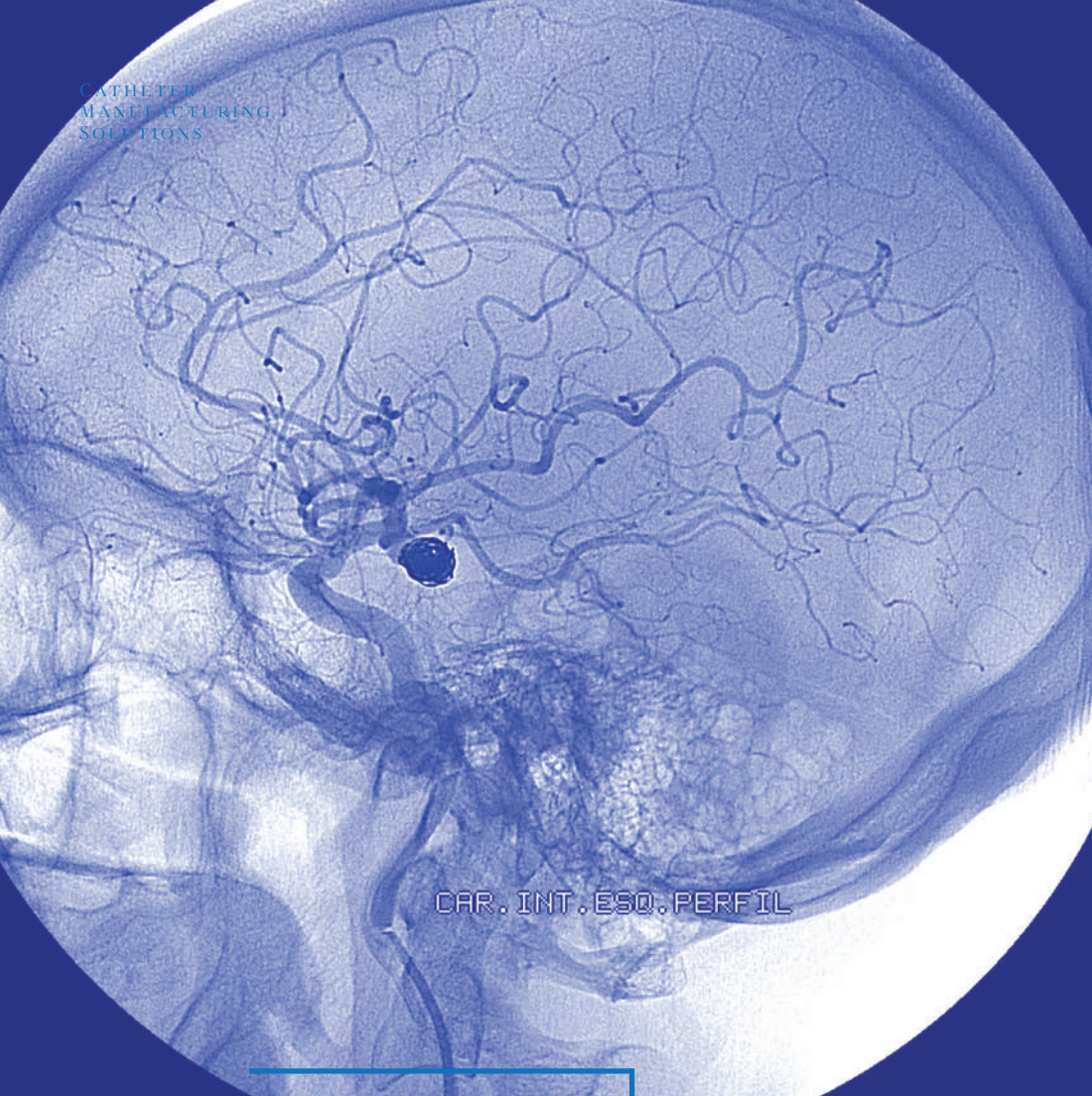
Working Channel Tube

Standard Specification

Outer Diameter (mm)	Inner Diameter (mm)	Round Wire (inch)	Material
1.55	1.25	.001"	Pebax, Polyurethane, Nylon
2.75	2.25		
2.75	2.40		
3.55	3.05		



The endoscope tubing and shaft are designed disposable for intra-catheter endoscopy, which is a safe, minimally invasive procedure used to evaluate the interior surfaces of an organ. The braided tubing performs high torquability, pushability and kink resistance.



Minimally
invasive management
[Microcatheter]

Microcatheter

Standard Specification

Outer Diameter		Inner Diameter (inch/mm)	Guide Wire Compatibility (inch/mm)
Distal	Proximal		
1.7 Fr	2.5 Fr	0.016" / 0.40 mm	0.014" / 0.36 mm
1.8 Fr	2.6 Fr	0.018" / 0.45 mm	0.014" / 0.36 mm
1.9 Fr	2.5 Fr	0.019" / 0.48 mm	0.014" / 0.36 mm
2.2 Fr	2.6 Fr	0.021" / 0.53 mm	0.018" / 0.46 mm
2.4 Fr	2.8 Fr	0.022" / 0.57 mm	0.018" / 0.46 mm
2.7 Fr	2.9 Fr	0.025" / 0.65 mm	0.021" / 0.53 mm
2.8 Fr	3.0 Fr	0.027" / 0.70 mm	0.021" / 0.53 mm

Customization Capability

Extrusion	Pebax, Polyurethane, Nylon, PTFE
Braid patterns	Regular, Diamond, Half Load, Coils
Wire type	Round, Flat, Hybrid (Round & Flat)
Tipping	Multi-durometer options available
Coating	Hydrophilic coating
Luer attaching	Gluing, injection molding

Customized hydrophilic coating service

*CUUMed formula

*Customer specified formula

Alloy coil-containing segment with multiple
PPI presents high flexibility and kink resistance

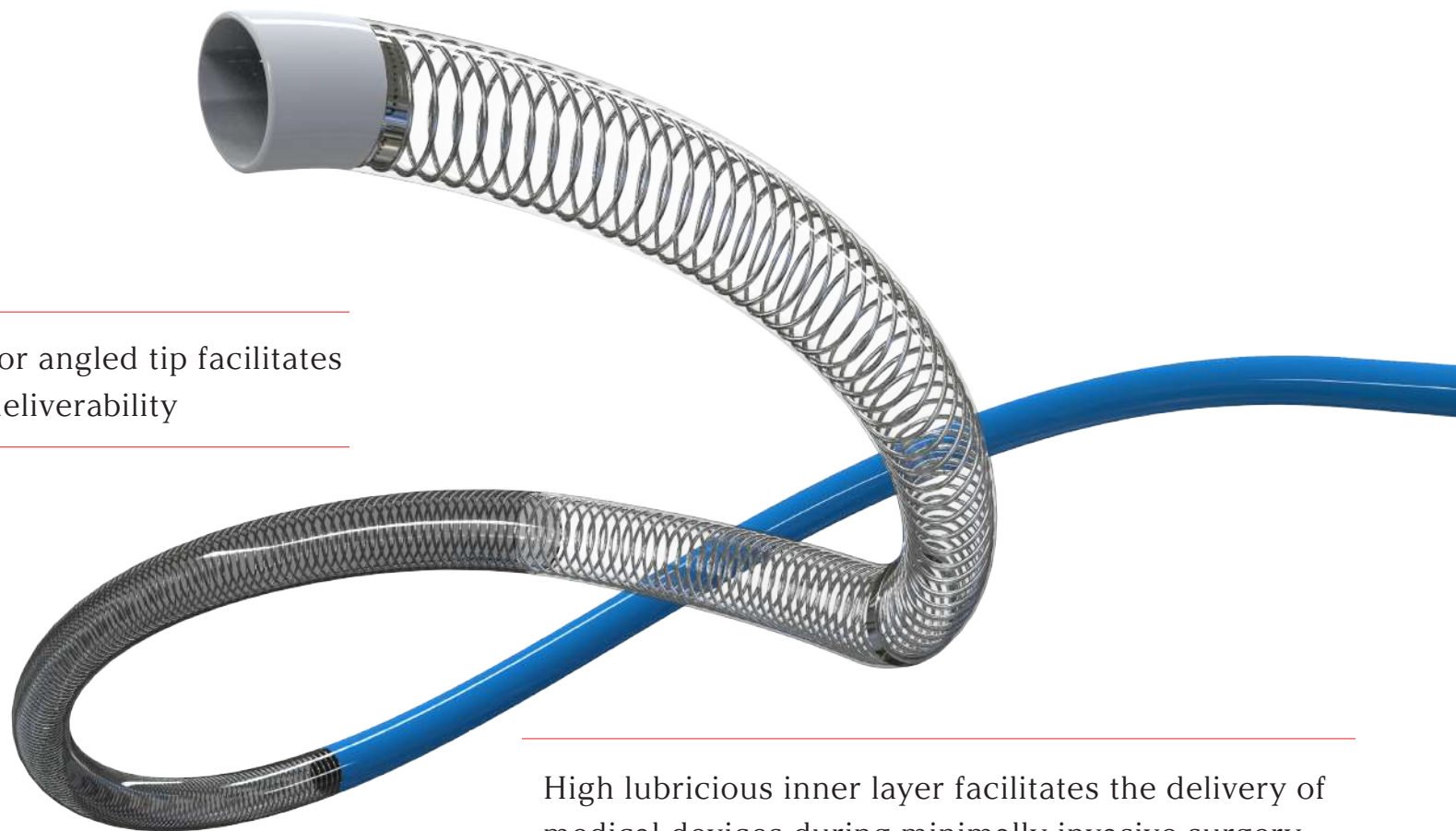
An integrated steerable or angled tip facilitates
easier penetration and deliverability

High lubricious inner layer facilitates the delivery of
medical devices during minimally invasive surgery

Note

^aBraiding : alloy coiled

^bUsable length: 80-150 cm(Customizable)



Braided Tubing

Standard Specification

Material	Stainless steel, Nitinol, Nylon, Tungsten
Braid Patterns	Regular, Diamond, Half Load, Coil
Wire type	Round, Flat, Hybrid (Round & Flat)
Carriers	16 and 32
Wire sizes	0.0005" – 0.008"

Features

Catheter size : 2 Fr – 22 Fr

Single and multi hardness

Size, color, material can be customized

Different braiding patterns and density to fulfill your product requirements

Provide secondary process for braided catheter

Antibacterial and hydrophilic coating are available



Advanced
Extrusion

Standard Tubing

Customization Capability

Material	Pebax, Nylon, Polyethylene, Polyurethane, PET, Polypropylene, EVA
Lumen	Single / Multiple
Layer	Single / Multiple
Color	Customized
Shape	Customized
Size	2-18 Fr
Wall thickness	Minimum 0.06 +/- 0.01 mm
Tolerance	+/- 0.01mm

Balloon Tubing

Customization Capability

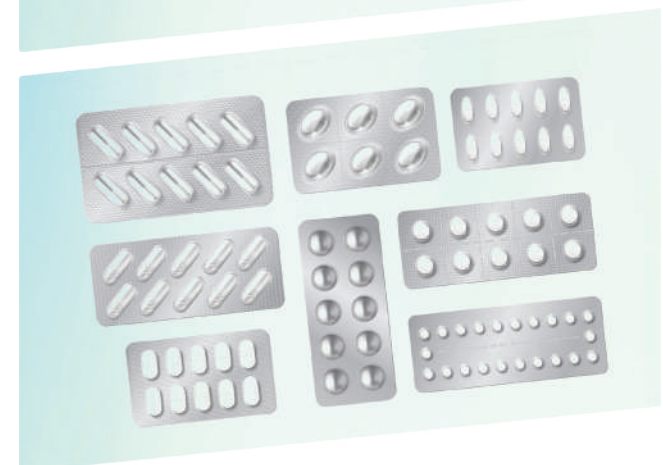
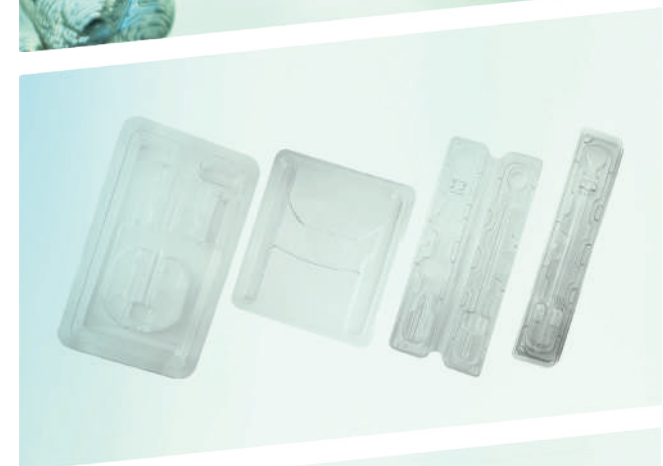
Extrusion	Nylons, Pebax, TPU, TPE, PE, PET, PVC
Outer diameter	0.38 mm to 5 mm
Tolerance	+/- 0.01 mm
Wall thickness	Minimum 0.06 mm
Ovality	3% to 4%
Concentricity	80% to 90%

Medical Film

CUUMed devotes to designing and providing high-quality medical consumables to global markets. Our medical film products are applicable from dental care to other forming film areas.

Standard Specification

Material	Medical PET, PETG, TPU, EVA
Application	Clear aligner and retainer material, Trays, Clamshells, Blisters, Pharmaceuticals package, Healthcare products etc.
Layer	Single / Multi-layer
Shape	Customized



Micro Injection Molding



Standard Specification

Material

TPU, Pebax, Nylon, PP, PS, ABS, PEEK, PEI, HDPE, LDPE

Application

Micro parts, Endoscopy lens, Insert assembly molding,
Implantable medical devices

Capability

- Broad integrated knowledge of material science, tooling design and processing can provide the optimal solution from the beginning
- Expertise team with thirty-year industrial experience ensures successful mass production
- Production machine functions include rotary 2-shot, gas assist, horizontal/ vertical type machines, and ultra-low-volume injection control



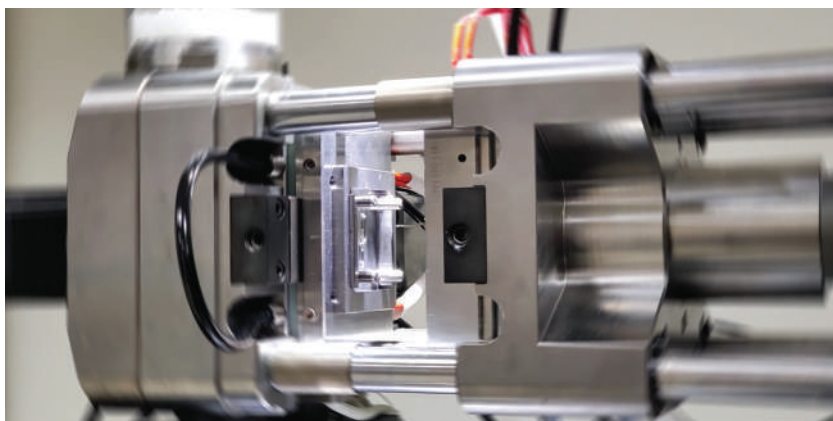
Micro Injection Molding

Micro Injection is a precise technology.

The size, functional characteristics or tolerance of the product are required in millimeters or even microns, and it can be called micro injection molding.

Micro injection molding of micro features requires special molding machines and auxiliary equipment to complete various production operations.

The advantages include high production efficiency, high stability and high precision.





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