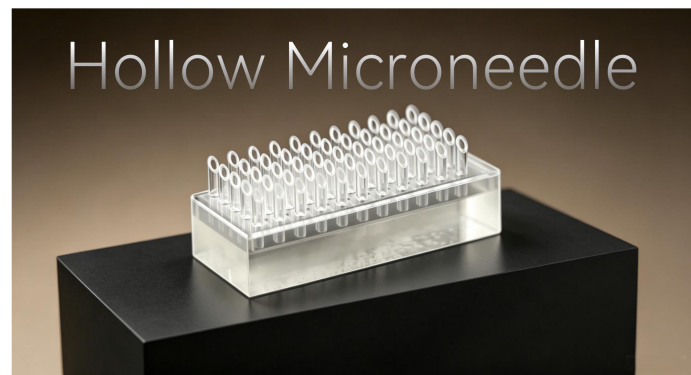
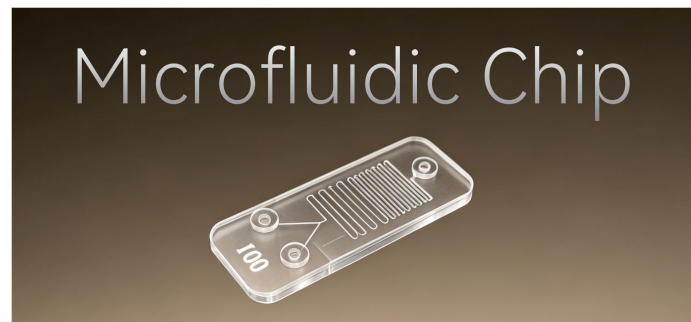
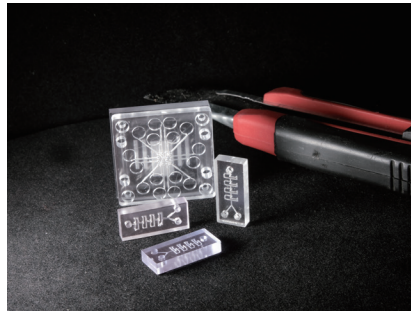


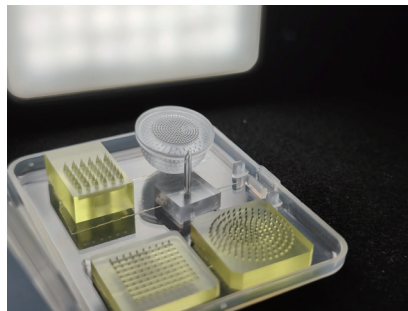


	P102 Plus	P110 Plus	P215 Plus	P115	P135
Optical Precision	2μm	10μm	15μm	15μm	35μm
Build Size	60 x 60 x 50 (mm)	115×128×65 (mm)	84 x 63 x 70 (mm)	28.8×16.2×40 (mm)	67.2 x 37.8 x 150 (mm)
Print Layer Thickness	2~50μm	2~50μm	5~50μm	5~50μm	5~50μm
Pixel Count	900M	140M	23.52M	2.07M	2.07M
Dimensional Tolerance	±5~10μm	±10~20μm	±20μm	±20μm	±35~50μm
Printing Materials	Photosensitive Resin, High-Temperature Resistant Resin,Fully Transparent Resin,Flexible Resin,Hydrogel,Zirconia,Alumina and other Ceramic Materials				

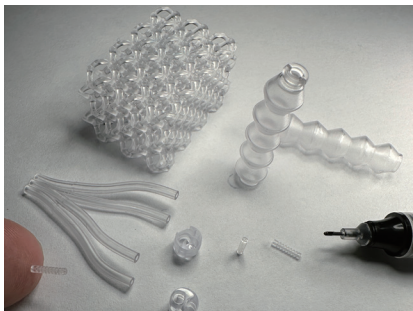
Application Cases



Microfluidic Chip
Minimum flow channel 20μm



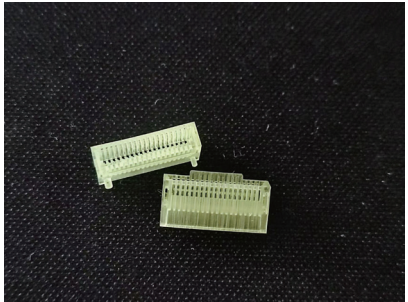
Microneedle
The tip of the microneedle is 5μm



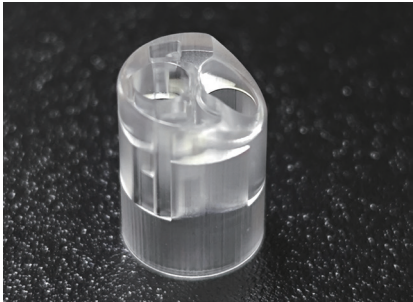
Elastic Material
Minimum wall thickness: 80μm



Micro Gear



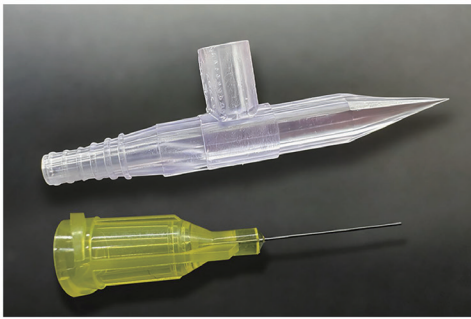
Connector
Minimum wall thickness:10μm



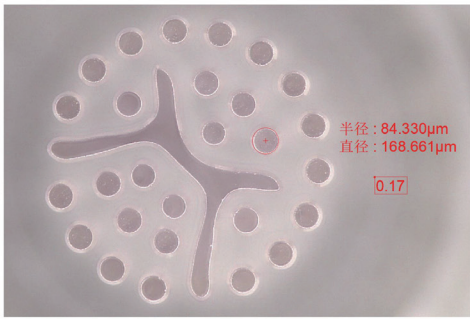
Endoscope Tip
Minimum wall thickness: 30μm

Xingsheng Precision Common Material Parameters Table							
Material Name	XS-V40 High-Strength High-Toughness	XS-BIO Biocompatibility	XS-T60 Elastic Material	XS-T90 Good Resilience	XS-HT210 High-Temperature Resistant Material	XS-HD High-Rigidity Material	XS-A5 Alumina Ceramic
Tensile Strength/MPa	42	45	2	10	44	70	-
Elongation at Break/MPa	34	8	100	160	2.5	3	-
Bending strength/MPa	60	50	-	-	80	100	390
Bending modulus/MPa	1500	1450	-	-	3300	3800	-
Heat distortion temperature/ @0.45MPa	70	120	-	-	245	80	-
Heat distortion temperature/ @1.8MPa	-	-	-	-	210	-	-
Dielectric constant/5GHz	3.1	3	-	3	2.9	3	-
Dielectric loss tanδ/5GHz	3.12e ⁻²	3.53e ⁻²	-	3.12e ⁻²	3.42e ⁻²	3.53e ⁻²	-
Viscosity /cps	800	200	1000	600	500	100	6000
Hardness /shore D	75D	80D	55A	80A	80D	85D	-
Color	Black/ Light Yellow	Transparent / Light Yellow / Black	Black	Transparent /Black	Black / Light Yellow /Translucent	/ Light Yellow / Black	White

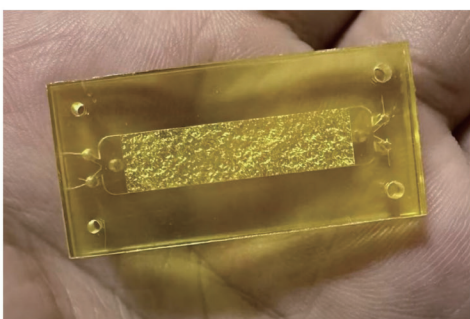
Scientific Research Field



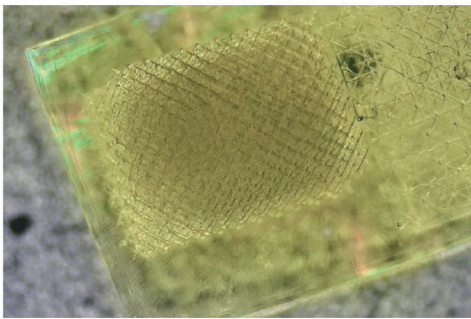
Special-Shaped Medical Needle
(XS-BIO Transparent)



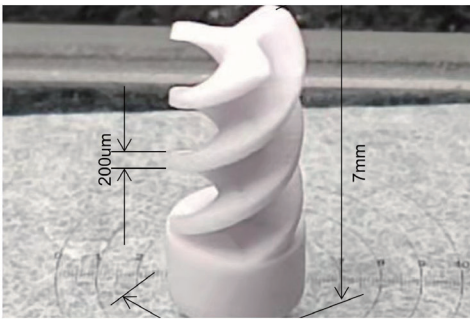
Spinal Cord Scaffold Model
(XS-BIO Transparent)



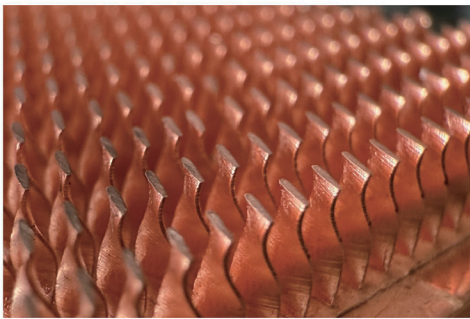
Core Fracture Model
(XS-BIO Yellow)



Hydrogel Lattice Structure
Minimum Strut Diameter 10μm



Ceramic Impeller
Minimum Wall Thickness 60μm, Gap 150μm



Pure Copper Heat Sink Fins

Industrial Field



Endoscope Tip
Minimum Wall Thickness 20μm
(XS-BIO)



Medical Syringe
Minimum Channel 20μm
(XS-BIO)



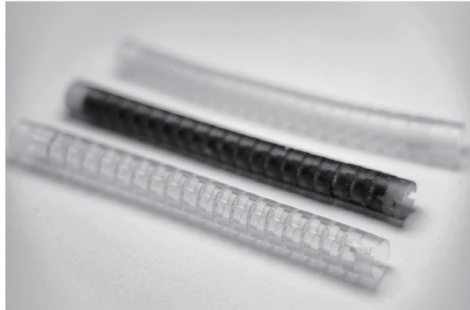
Lens Module Components
(XS-HD)



Electrical connector
Minimum Wall Thickness 20μm
(XS-HT210)

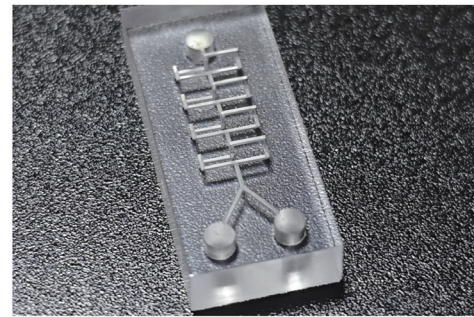


Smart Glasses Components
(XS-HD)

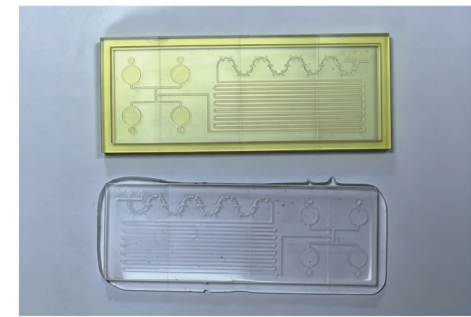


Integrated Snake Bone
Minimum Wall Thickness 0.1mm
(XS-T90)

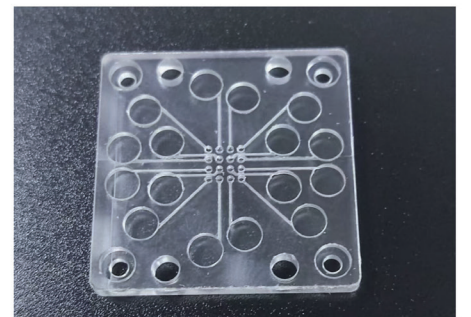
Microfluidic Chip Series



Microfluidic Chip
Minimum Channel 20μm
(XS-BIO)

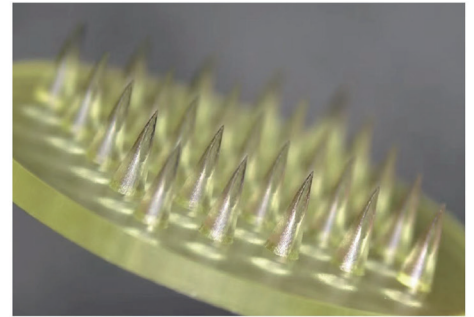


Master Mold for PDMS
Minimum Channel 20μm
(XS-BIO)

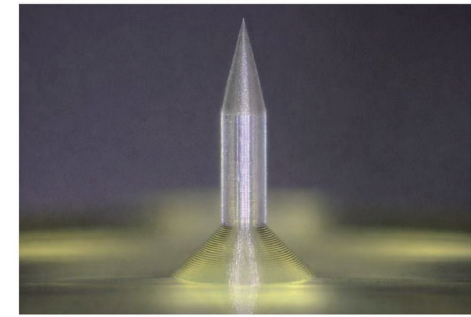


Drug Detection Chip
Minimum Channel 20μm
(XS-BIO)

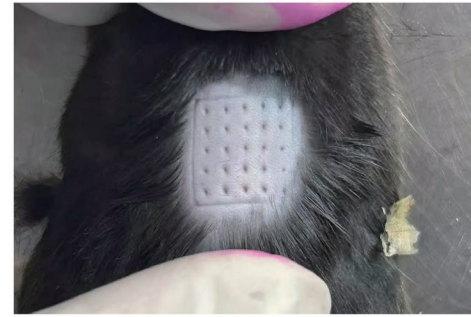
Microneedle Series



Hollow Microneedle
Internal Channel 100μm, Tip 5μm
(XS-BIO)

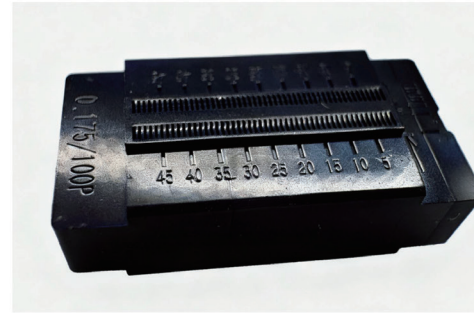


2μm-Printed Solid Microneedle
Tip 5μm

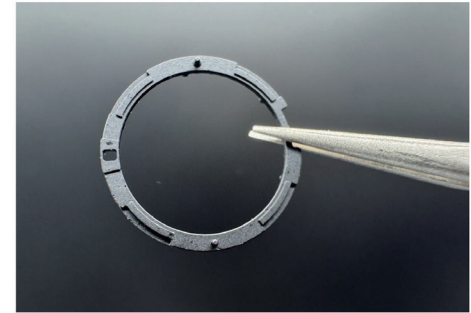


Microneedle Puncture Test on Mice

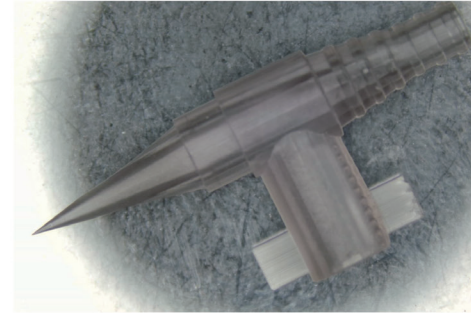
Micro Electronics Series



Connector Base
The Width of Hole 95μm
(XS-BIO)

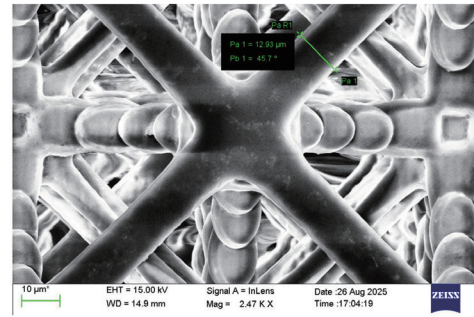


Mobile Phone Lens Optical Components
Minimum Tolerance ±10μm
(XS-BIO)

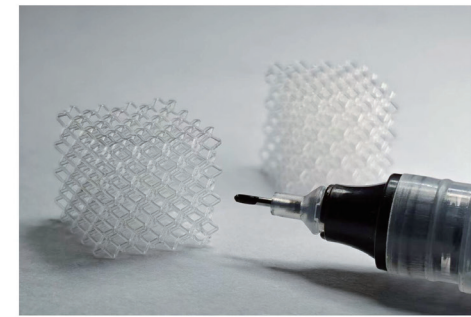


Precision Needle

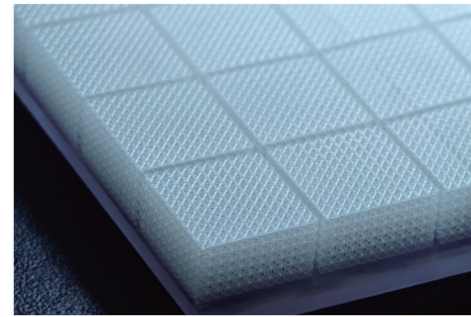
Metamaterials & Superstructures



Zeiss SEM Image
Minimum Strut Diameter 10μm
(Hydrogel)



Elastic Lattice Structure
Minimum Strut Diameter 0.1mm
(XS-T90)



Lattice Structure
Minimum Printable Strut Diameter 10μm

Cooperating Enterprises

Microelectronic Industry



Healthcare Industry



Cooperating Universities

Universities, Colleges and Research Institutes



Tsinghua University



Peking University



HKU



Shanghai Jiao Tong University



Southern University of Science and Technology



Fudan University



Shanghai University



Zhejiang University



The Chinese University of Hong Kong



University of Shanghai for Science and Technology



Wuhan University



Central South University



Harbin Institute of Technology



Northwestern Polytechnical University



Xi'an Jiaotong University



Shenzhen University



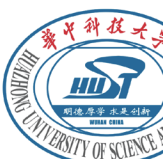
Jinan University



Sun Yat-sen University



South China University of Technology



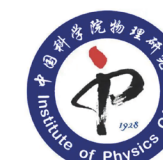
Huazhong University of Science and Technology



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IM CAS