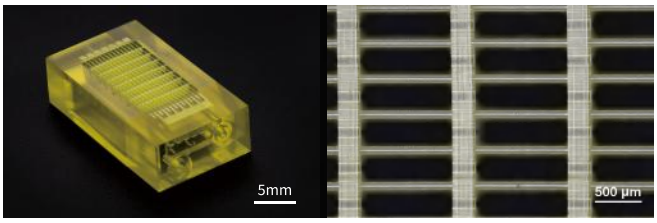
BMF
BOSTON MICRO FABRICATION

Your Reliable R&D Partner

Specifications

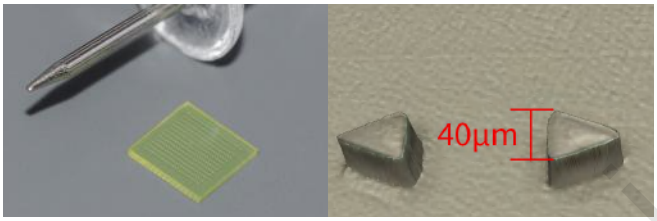


Vascularized Biochip

- Application Field: Disease modelling, new drug development
- Sample size: 18 x 10 x 5 mm^3
- 14 parallel perfusion vascular-like channels with 7-10μm rapezoidal pores in each of the 5 layers.

Glaucoma Stent (2 μm)

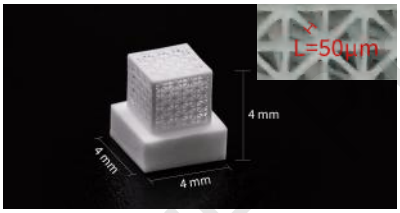
- Dimension: 1.347×2.647 mm^3
- Minimum diameter of hole: 30 μm
- Field: Clinical Operation



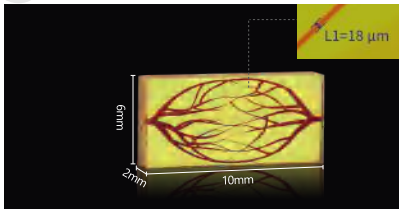
Bowtie Structure Microarray

- Field: Terahertz Detection, sensing
- Sample size: 5 x 5 x 0.5 mm^3
- Can apply Weyl semimetal thin film to get a terahertz wave detector with high sensitivity and a large effective detection area.

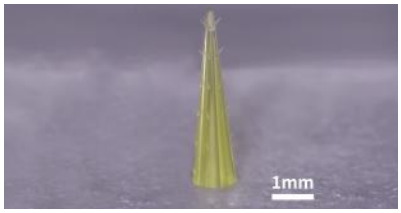
Applications



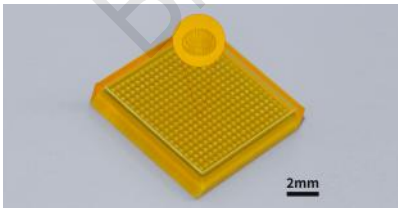
Ceramic Lattice



Ultra-high Precision Microfluidics

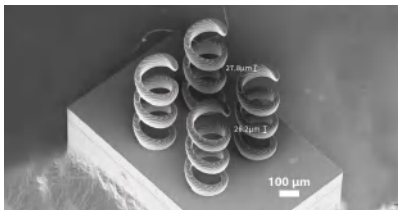


Wheat Awn-Like Hierarchical Structure



Graded Microdome Structure

Micro Lattice



Micro Springs

Boston Micro Fabrication (BMF)

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ULTRA-HIGH RESOLUTION, ACCURACY, AND PRECISION

BMF BOSTON MICRO FABRICATION

microArch® S230A

Maximum Build Size
50 x 50 x 50 (mm^3)

Printing Material
HTL, RG, HT200, TOUGH, HTF, BIO, SR, Ceramic, ST1400

Specification

Light Source	UV LED [405 nm]
Printing Material	Photosensitive resin/ceramic slurry
Optical Resolution	2 μm
Layer Thickness	5~20 μm
Build Size	Mode 1: single exposure mode 3.84 mm[L] × 2.16 mm[W] ×50 mm[H]
	Mode 2: stitching exposure mode 50 mm[L] × 50 mm[W] × 50 mm[H]
	Mode 3: micro array mode 50 mm[L] × 50 mm[W] × 50 mm[H]
Input Data File Format	STL
External Dimensions	1720mm[L] ×750mm[W] ×1820mm[H]
Total Weight	660 kg
Power Supply	100~240 V AC, 50/60 Hz, 2kW