ULTRA-HIGH RESOLUTION, ACCURACY, AND PRECISION

BMF
BOSTON MICRO FABRICATION

microArch® S150

Maximum Build Size
80×48×50 (mm^3)

Printing Material
Photosensitive Resin, Biomaterial

Specification

Light Source	UV LED [405 nm]
Printing Material	Photosensitive Resin, Biomaterial
Optical Resolution	25 μm
Layer Thickness	20~100 μm
Build Size	Mode 1: single exposure mode 27 mm[L] × 48 mm[W] ×50 mm[H]
	Mode 2: stitching exposure mode 80 mm[L] × 48 mm[W] × 50 mm[H]
	Mode 3: micro array mode 80 mm[L] × 48 mm[W] × 50 mm[H]
Input Data File Format	STL
External Dimensions	800mm[L] ×485mm[W] ×450mm[H]
Touchscreen Monitor Size	10.1inch (1280*800)
Total Weight	70 kg
Power Supply	100~240 V AC, 50/60 Hz, 1.3kW

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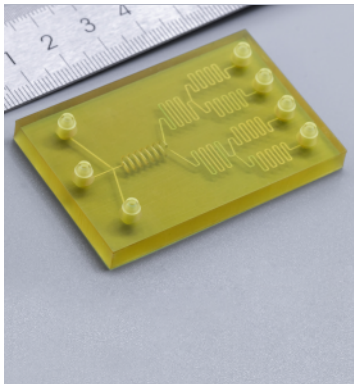
Your Reliable R&D Partner

Applications

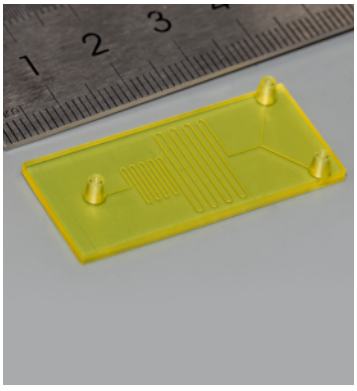


Microfluidic Chip

Application fields:
Microfluidics
Features:
• Sample size:
60 x 40 x 10 mm³
• Diameter of channels:
300μm

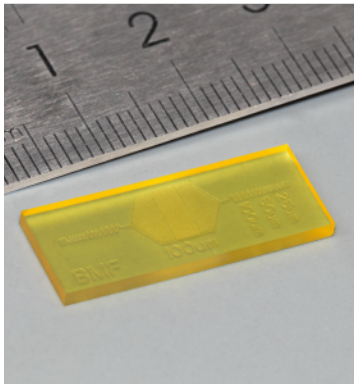
Nozzle

Application fields:
Industry
Features:
• Sample size:
8.09 x 8.09 x 19.9 mm³
• Diameter of nozzle:
150μm



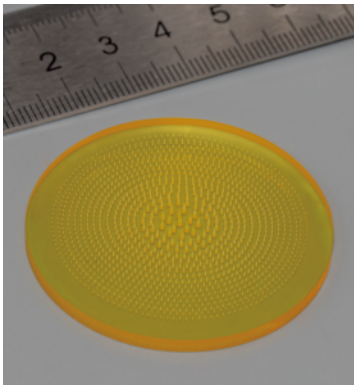
Microfluidic Chip

Application fields:
Microfluidics
Features:
• Sample size:
40 × 15 × 10 mm³
• Minimum diameter of channel: 100μm



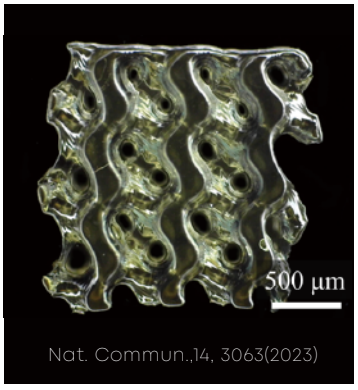
Microfluidic Chip

Application fields:
Microfluidics
Features:
• Sample size:
25 × 10 × 10 mm³
• Width of lines: 25μm, 50μm, 100μm; Side length of the square cavity: 100μm; diameter of the circular cavity: 125μm



Gradual-Changing Microneedle Array

Application fields:
Biomedicine, drug delivery, biosensing
Features:
• Sample size:
50 × 50 × 6 mm³
• Height of needles:
750-3000μm; diameter of needles: 250-1000μm



Triply-Periodic Minimal Surface Hydrogel Scaffold

Application fields:
Biomedicine, regenerative medicine
Features:
• Sample Size: 6 × 6 × 2 mm³
• Minimum diameter of interconnected pore: 100μm
• Made of smooth continuous curved surface and ordered interconnected pores.

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