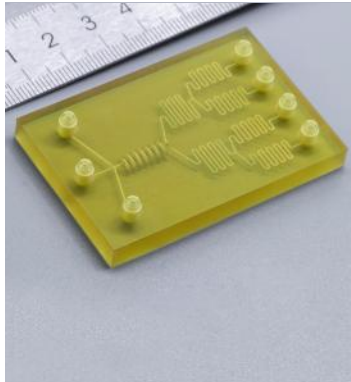


Applications



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



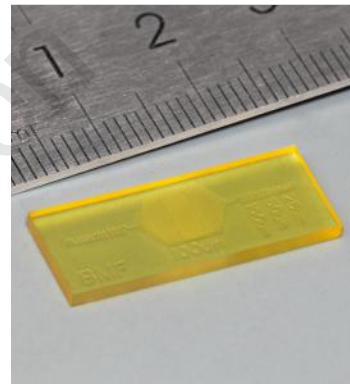
Microfluidic Chip

Application fields:

Microfluidics

Features:

- Sample size: 40 x 15 x 10 mm³
- Minimum diameter of channel: 100μm



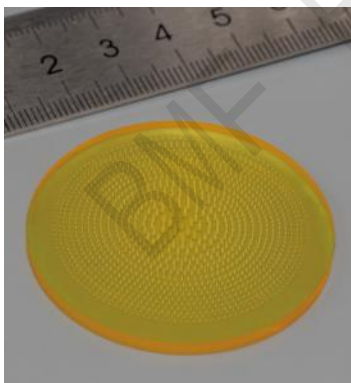
Microfluidic Chip

Application fields:

Microfluidics

Features:

- Sample size: 25 x 10 x 10 mm³
- Width of lines: 25μm, 50μm, 100μm; Side length of the square cavity: 100μm; diameter of the circular cavity: 125μm



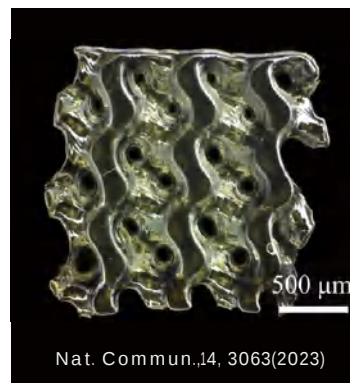
Gradual-Changing Microneedle Array

Application fields:

Biomedicine, drug delivery, biosensing

Features:

- Sample size: 50 x 50 x 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 x 6 x 2 mm³
- Minimum diameter of interconnected pore: 100μm
- Made of smooth continuous curved surface and ordered interconnected pores.



microArch® S150



Maximum Build Size
 $80 \times 48 \times 50 \text{ (mm}^3\text{)}$



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] $\times$ 48 mm[W] $\times$ 50 mm[H]
	Mode 2: stitching exposure mode 80 mm[L] $\times$ 48 mm[W] $\times$ 50 mm[H]
	Mode 3: micro array mode 80 mm[L] $\times$ 48 mm[W] $\times$ 50 mm[H]
Input Data File Format	STL
External Dimensions	800mm[L] $\times$ 485mm[W] $\times$ 450mm[H]
Touchscreen Monitor Size	10.1inch (1280*800)
Total Weight	70 kg
Power Supply	100~240 V AC, 50/60 Hz, 1.3kW