

Desktop High Resolution Micro 3D printing system

microCube T10



Optical Resolution:
10.8 μ m



Build Size:
20mm(L) x 11mm(W) x 90mm(H)



Printing Material:
Photosensitive Resin, Ceramic Slurry,
Biomaterials and Hydrogel



Specification

Product Model	microCube T10
Light Source	UV LED (405nm/385nm)
Optical Resolution	10.8 μ m
Layer Thickness	10-50 μ m
Build Size	20mm(L) x 11mm(W) x 90mm(H)
Printing Material	Photosensitive Resin, Ceramic Slurry, Biomaterials and Hydrogel
Release Film	Non-Oxygen-Permeable Release
	Oxygen-Permeable Release (optional, for printing hydrogels)
Paving Method	Adjustable scrapper for auxiliary spreading
External Dimensions	420mm(L) x 350mm(W) x 750mm(H)
Total Weight	25KG
Power Supply	220-240V AC, 200W

Micro High Resolution

Desktop high resolution micro 3D printing system with optical resolution 10.8μm



Fast Curing Test

High-efficiency test parameter combination, adjustable parameters during printing.



Supports Offline Work

No computer connection required, USB flash drive printing is supported.



Precision Scraper System

Adjustable scraper for auxiliary spreading to eliminate bubbles generated during the printing process



microCube T10



Highlights



Touch screen control

Equipped with a 7-inch touchscreen for customizing print parameters and modes



Oxygen-permeable membrane printing mode

Lower release force, suitable for hydrogel



Material-saving mode

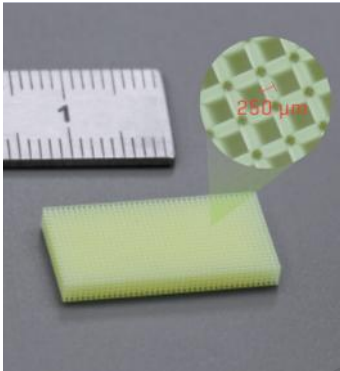
2-5ml is enough to start printing



Bio-printing

Supports hydrogel and active bio-ink printing

Application



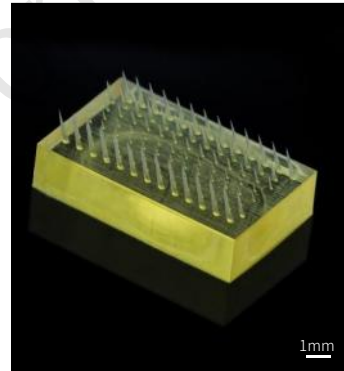
Complex 3D Lattice Structure

Application fields:

New energy, electrochemical energy storage

Features:

- Sample size: 20mm×10mm×2.2mm³
- Minimum wall thickness 250μm



Tilted Microneedle

Application fields:

Biomedical

Features:

300 μm bottom diameter, 900 μm height



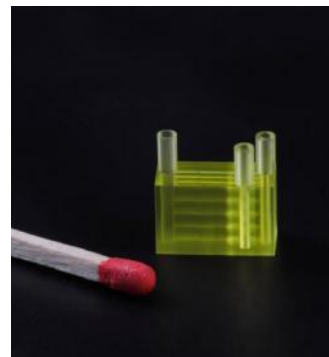
Blood Vessel Microfluidics

Application fields:

Biomedicine

Features:

- Sample size: 15mm×7.2mm×2.7mm³
- Minimum channel diameter: 80μm



Emulsion Generator

Application Fields:

Food, Biopharmaceuticals

Features:

Produce uniform single emulsion and double emulsion, (Oil in water/Water in oil)

Concentric pipe structure, Min. diameter of channel: 100μm

