

Engineered for Precision Built for 20X Speed

microArch® S150 Ultra High-Speed Micro 3D Printing



Optical Resolution :
25µm



Maximum Print Speed :
4s/layer



Maximum Build Size :
80 mm(L)*48 mm(W)*50 mm(H)



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

High-Speed Micro 3D Printing

High-speed printing at 4s/layer ~ 12s/layer, with up to 20x speed increase, supporting high-throughput R&D and production

High-Precision Manufacturing

25μm optical accuracy, enabling more complex and intricate structures with no compromise on details

High Tolerance Control

Fully meets industrial-grade standards in performance, precision, and stability, with tolerance controlled within ±50μm



Industrial-Grade Stability

Side-shifting Membrane + DLC-coated platform ensures consistent quality and reduced wear, delivering stable performance for both small-batch customization and mass production



Clean & Safe Printing Environment

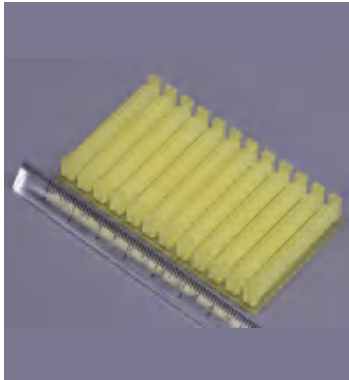
Built-in HEPA13 fresh air filtration system and in-chamber UV disinfection system, effectively controlling particle and microbial risks to ensure safe operation



High-Efficiency Operating Experience

Calibration-free system + touchscreen operation, enabling one-click printing start

Applications



Connector

Application field:

Precision Electronics

Dimensions:

1 Pcs 41x4.65x7.7mm³

Full area 80x48x7.7mm³

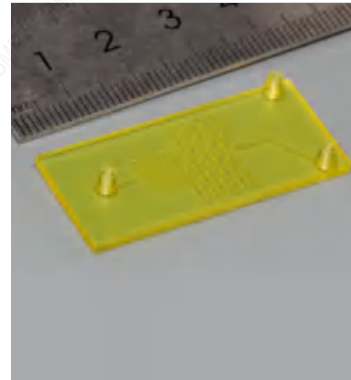
Features:

Min. wall thickness 130μm

Printing Time:

42mins/1Pcs

Full area 78mins



Microfluidic Chip

Application field:

Microfluidics

Dimensions:

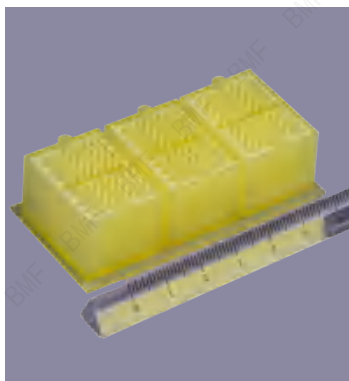
40x15x10 mm³

Features:

Channel diameter 100μm

Printing Time:

20mins/1Pcs



Blood Cooler Regulator

Application field:

Biomedicine / Regenerative medicine

Dimensions:

1 Pcs 30x22x20mm³

Full area 80x48x20mm³

Features:

Internal complex flow channel structure

Spiral channel diameter 125μm,

Curved channel diameter 420μm

Printing Time:

78mins/1Pcs,

Full area 174mins



Blade Structure

Application field:

Micromechanics

Dimensions:

48x48x4mm³

Features:

Blade wall thickness 100μm

Printing Time:

38mins/1Pcs

