

BRING YOUR WORK TO LIFE

ALLEVI
by 3D SYSTEMS

Allevi 3

Our Most Versatile Lab Adapted Bioprinter



Designed and
optimized for
research in

- Tissue engineering
- Materials science
- Regenerative medicine
- Disease modeling
- 3D culture
- Organ-on-a-chip
- Microphysiological systems
- Drug delivery



3 Extruder Pneumatic System

Do more with less
with the Allevi 4-in-1
CORE printhead



Heated Print Bed

Maximize cell
viability and print
material compatibility



Temperature Controlled

Unmatched versatility
for bioinks and optimal
print outcome



Nozzle Auto Calibration

Intuitive set up
for any needle
length with 1 click



UV/Blue Light Photocuring

Easy bioprinting with
built-in crosslinking
systems

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Trusted by Leading Institutions

Massachusetts
Institute of
Technology

Penn
UNIVERSITY OF PENNSYLVANIA

Genentech
A Member of the Roche Group

Johnson & Johnson



www.allevi3d.com



TECHNICAL SPECIFICATIONS

Extruders	3 x Allevi CORE Extruder
Photocuring	LED - 365nm and 405 nm
Printing Technology	Fused Deposition Manufacturing (FDM)
Compatible Syringes	5 mL plastic, 5 mL metal
Min. Temp	4°C
Max. Temp	160°C
Min. Pressure	1 PSI
Max. Pressure	120 PSI
Pressure Variance	±0.1 PSI
Heated Bed Temperature	Ambient - 60°C
Construction	Aluminium Frame
X, Y Precision	1 µm
Z Precision	1 µm
Build Volume (W x H x D)	3.5 x 2.4 x 5.1 in (42.8 in ³)
Build Volume Metric (W x H x D)	9 x 6 x 13 cm (702 cm ³)
Supported Build Plates	Slide, Petri Dish, Well Plate
Dimensions (W x H x D)	18.4 x 15.2 x 14.2 in
Dimensions Metric (W x H x D)	46.7 x 38.8 x 36.0 cm
Weight	40 lbs (18.1 kg)
Power Requirements	AC 110V - 220V

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