

TISSUE ENGINEERING · REGENERATIVE MEDICINE · ORGANOIDs · DRUG DISCOVERY

Six printing modes. One bioprinter.

Pneumatic, mechanical, photocuring, coaxial, near-field and electrospinning... all on a single modular motion platform, backed by a matched bioink library and a print-on-demand bioprinting service.

6

PRINTHEADS ON
FLAGSHIP

400+

PEER-REVIEWED
PUBLICATIONS

200+

SYSTEMS INSTALLED

<\$50K

ENTRY SYSTEM PRICE

ONE PLATFORM · EVERY EXTRUSION MODALITY



Pneumatic extrusion

0–700 kPa; room, high (to 260 °C) and low (–5 to 60 °C) temperature heads; 0.15–1.55 mm needles.



Mechanical extrusion

Piston and screw heads delivering ~100–800 N for high-viscosity biomaterials and pastes.



Photocuring extrusion

365/405 nm sources >400 mW/cm² for in-situ crosslinking of GelMA and other photoinks.



Coaxial extrusion

Core-shell printing for vascular and tubular constructs in a single pass.



Near-field direct writing

0–10 kV electrohydrodynamic heads writing aligned fibres down to ~10 µm.



Electrospinning

Flat and rotating collectors for micro- and nanofibre scaffold architectures.

WHY THIS PLATFORM

Buy one instrument, not five

Swappable printheads and build platforms let one motion system cover process windows that normally require separate dedicated machines — and grow with the lab.

The ink problem, already solved

A deep library of characterised, ready-to-use photoinks and biomaterials ships matched to the hardware, so new labs skip months of materials development.

Print before you buy

A print-on-demand bioprinting service produces your constructs on the same platform, so you can evaluate real output against your model before committing capital.

Built for the shift off animal models

Organoid, organ-on-chip and 3D disease models are exactly what these systems fabricate — the direction regulators and funders are now actively steering toward.

Bioprinting capability, without the capital line.
Ask us for a sample print.

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Advisors in strategy. Partners in execution.

CHOOSE YOUR SCALE

Three systems. One platform.

Every system runs the same software and the same bioink library...
So, a method developed on the desktop transfers straight to the flagship.

EXTRUSION BIOPRINTER LINE

ENTRY · SINGLE HEAD

BP6601

Desktop research system for single-material work

BUILD	100×100×50 mm
SPEED	50 mm/s
MIN LAYER	10 µm
REPEATABILITY	5 µm
CONTROL	External pneumatic, temp & HV modules
FOOTPRINT	22 kg · 350 W

MID-TIER · DUAL HEAD

BP6602 Pro

Multi-material desktop printing in one run

BUILD	100×100×50 mm
SPEED	50 mm/s
PRINTHEADS	Floating-Z dual
TEMP RANGE	-5 to 60 °C low ambient to 200 °C high
PRESSURE	Dual-level
REPEATABILITY	5 µm

FLAGSHIP · 6 HEADS

BP6606

All-in-one multi-modal workhorse

BUILD	170×170×80 mm
SPEED	100 mm/s
PRINTHEADS	6, 3-axis
TEMP RANGE	20 to 60 °C low ambient to 260 °C high
PRESSURE	0–700 kPa
EXTRAS	Laser auto-calibration 1080p HDR monitoring

WHAT LABS ARE BUILDING



Tissue engineering & regenerative medicine

- Bone, cartilage and cranial scaffolds
- Degradable ceramic implants
- Neural-repair conduits
- Vascular networks and small-diameter vessels



Organoids & 3D models

- Cell-laden hydrogel constructs
- Spheroid and organoid culture
- Living-material and microbial constructs
- Perfusable multi-cell architectures



Drug discovery & disease modelling

- Lung-on-a-chip and microfluidic models
- GelMA 3D cell biosensors for cytotoxicity
- Embedded drug-delivery constructs
- Higher-fidelity preclinical screening



Cancer research

- Tumour-vascular interaction models
- Drug-eluting scaffolds
- Tumour microenvironment reconstruction
- Patient-derived 3D culture

Tell us what you need to print.
We'll print it before you buy anything.

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