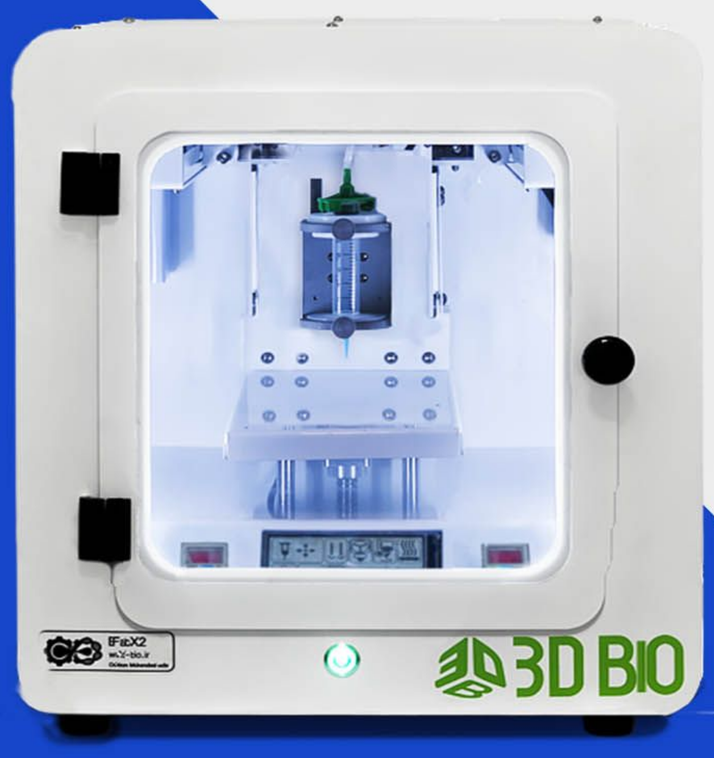

BioFabX1 pro

BioFabX1pro is a reliable, robust, and small bioprinter fit to your lab space, enabling researchers to enter the world of bioprinting. This member of the BioFab bioprinters family matches all toolheads provided by OmidAfarinan company, which is perfect for advanced research applications in a very compact and simple apparatus.

Available Printheads and Modules

- **Single Printheads** — Single Pessure Control Printhead
- **Standard Pnumatic Printhead** — Bioptrinting By Air Pressure at Room Temperature
- **High Temperature Printhead** — Temperature Control Up to 220°C
- **Low Temperature Printhead** — Temperature Control Down to 4°C
- **Fused Deposition Modeling (FDM) Printhead** — Printing Thermoplastic Filaments
- **Syringe Based Printhead** — Excellent Control for Low Viscosity Bioinks
- **Photo Crosslinking Toolhead** — Optional Wavelength of 365nm, 500nm,…
- **Camera Toolhead** — HD Pictures and Videos to Ensure Construct Quality
- **Unparalleled Precision** — High Precision Motors and Drivers for Reproducibility
- **Automatic Calibration Module** — Fully Automatic Printhead Calibration
- **Melt Electrowriting Module** — High Resolution Bioprinting Based on Electrospinning
- **Clean Chamber Module** — Cell Bioprinting in a Sterile Environment

Technical Specifications

Number of Printhead Slots	One Printhead + HD Camera Slot
Build Volume (L×W×H), mm	120×90×60
Print Bed Compatibility	Multi-Well Plates, P100 Petri Dishes
Resolution, mm	0. 02
Pressure Range, bar	8–0. 1
Clean Chamber (Optional)	HEPA 14 and UV-C (253nm)
Dimensions (L×W×H), mm	450×440×500
Structure	Powder-coated steel frame
Weight (kg)	35
Connectivity	USB, SD Card

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