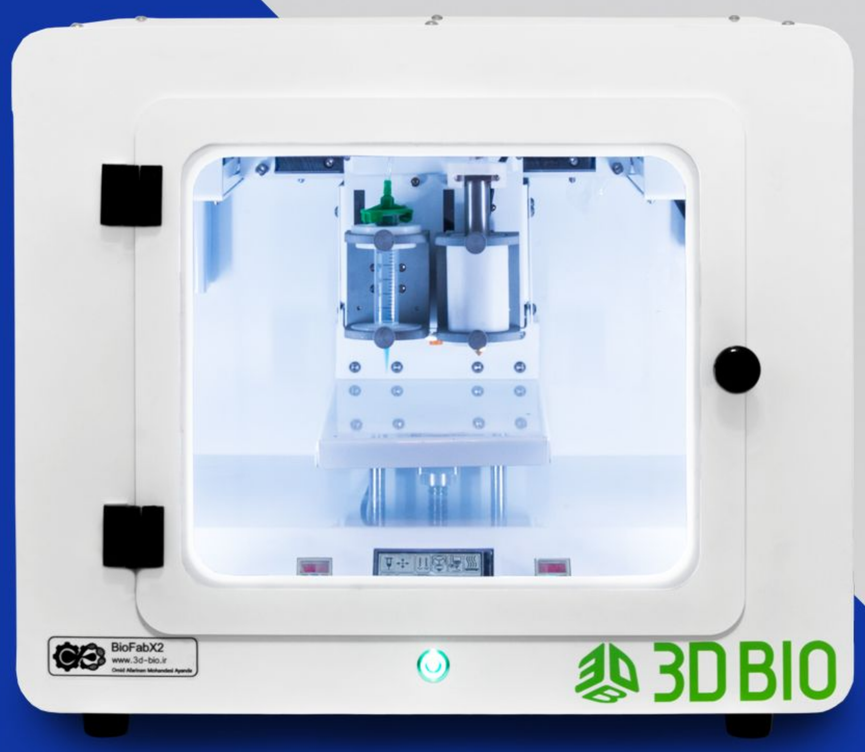

BioFabX2 v4

BioFabX2 is a dual printhead bioprinter allowing researchers to construct tissues and organs for regenerative medicine, high-throughput drug screening, and pharmaceutical or cosmetic models. The compact design, intuitive user-friendly interface, interchangeable printheads for printing a wide range of cell types, and economic price makes BioFabX2 as the best option for life science researches.

Available Printheads and Modules

- **Two Printheads**
  Dual Independent Pressure Control
- **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
- **Coaxial Bioprinting Module**
  Core-Shell Bioprinting
- **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	2 Printheads + 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	670×440×500
Structure	Powder-coated steel frame
Weight (kg)	40
Connectivity	USB, SD Card

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