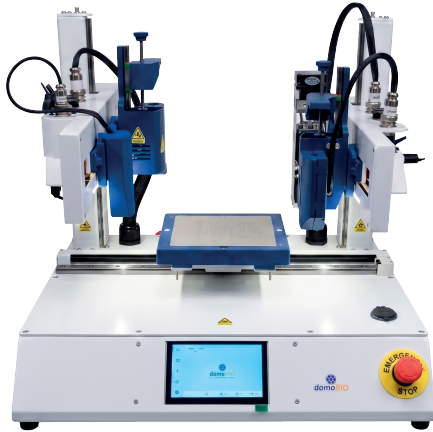


DomoBIO 4A

3D BIOPRINTER



| | |
|--------------------------------|---|
| Print Volume | 130 x 130 x 100 mm |
| Number of Printheads | Up to 4 printheads |
| Print Resolution | X ± 0.0125 mm, Y ± 0.0125 mm, Z ± 0.0001 mm |
| Platform Leveling | Pre-calibrated and software-assisted |
| User Interface | Touchscreen. Web control. Online monitoring |
| Slicing Software | CURA |
| Compatible File Formats | .gcode |

COMPATIBLE DOMOBIO EXTRUDERS

| | | | |
|--|--|---|--|
| <p>Solution Electrospinning</p> <p>Compatible volume: 3.5 - 10 ml Maximum viscosity: 200 Pa s Nozzle diameter: 14 G - 27 G Temperature: 25 KV</p> | <p>Syringe Extruder</p> <p>Compatible volume: 3.5 - 10 ml Maximum viscosity: 200 Pa s Nozzle diameter: 14 G - 27 G Temperature: Ambient</p> | <p>Heated Syringe Extruder</p> <p>Compatible volume: 3.5 - 10 ml Maximum viscosity: 200 Pa s Nozzle diameter: 14 G - 27 G Temperature: Max. 60°C</p> | <p>Pellet Extruder</p> <p>Temperature: Max. 250°C Nozzle diameter: 0.2 - 1.0 mm Pellet diameter: 0.5 - 5.0 mm Hardness: Shore 00 to Shore D</p> |
| <p>UV 405 nm Extruder</p> <p>Dimensions: 37.5 x 130.5 x 43 mm Wavelength: UV 405 nm Max. intensity: 3 x 10⁴ QW/cm²</p> | <p>UV 365 nm Extruder</p> <p>Dimensions: 37.5 x 130.5 x 43 mm Wavelength: UV 365 nm Max. intensity: 10 x 10⁴ QW/cm²</p> | <p>Melt Electrowriting Extruder</p> <p>Temperature: Max. 250°C Nozzle diameter: 0.5 mm</p> | <p>Filament Extruder</p> <p>Temperature: Max. 250°C Nozzle diameter: 0.2 - 1.0 mm Filament diameter: 1.75 mm Hardness: ≥ Shore 60A</p> |

COMPATIBLE DOMOBIO PLATFORMS AND ACCESSORIES

| | | | |
|---|---|---|--|
| <p>Cold/Hot Platform</p> <p>Compatible adapters: Petri dish, microscope slides, and multiwell plates. Temperature: 5 - 50 °C</p> | <p>High-Performance Heated Plat.</p> <p>Compatible adapters: Petri dishes, microscope slides, and multiwell plates. Temperature: Max. 125 °C</p> | <p>High-Voltage Power Supply</p> <p>Weight: 2kg Power Supply: 230V AC, 50Hz Maximum voltage: 25 KV Dimensions: 363 x 200 x 88 mm</p> | <p>Drum Collector</p> |
| | | | <p>Coaxial Kit</p> |
| | | | <p>Temperature Controlled Chamber</p> |

ADDITIONAL FEATURES DOMOBIO

Auto-Calibration: The auto-calibration mode improves accuracy and reduces manual intervention, speeding up fabrication time.

Temperature Control (RT - 60°C): The system provides thermal regulation, ensuring optimal conditions for sensitive biomaterials and reproducible results.

