

Tech Specs

| | |
|------------------------|---|
| Dimensions | 35 x 40 x 52 cm (w,l,h) |
| Weight | 20 kg |
| Power Requirement | 110V-220V(380w) |
| Connectivity | SD card, USB |
| OS | PC |
| Construction | Plexi Glass, Stainless Steel |
| X,Y Precision | 5 microns |
| Z Precision | 5 microns |
| Number Extruders | 1 or 2 heated heads |
| Max Temp | 170° C |
| Photocuring | 365 nm and 450 nm |
| Compatible Print Files | Gcode, STL |
| Printing Technology | FDM (pneumatic based) |
| Build Volume | 8.5 x 12.5 x 6.5 cm (w,l,h) |
| Build Structure | Petri dish, Tissue culture plate, Glass slide |
| HEPA H12 filter | Available |
| UVC light | Available |
| Heated Printbed | Available |

3DPL BioPrinter N1
Single extruder head




3DPL BioPrinter N2
Dual extruder heads



CUSTOMER SUPPORT

We offer technical and engineering support. We ensure all our customers are well-trained to feel confident enough to work with our device. Rest assured that we will be there to answer your call when times seem bleak!

 We're just one call away.

Contact us today.



Tehran, Tehran, Azadi St, Qadir Dead end, No.2, unit 2.

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 info@3dpl.ir

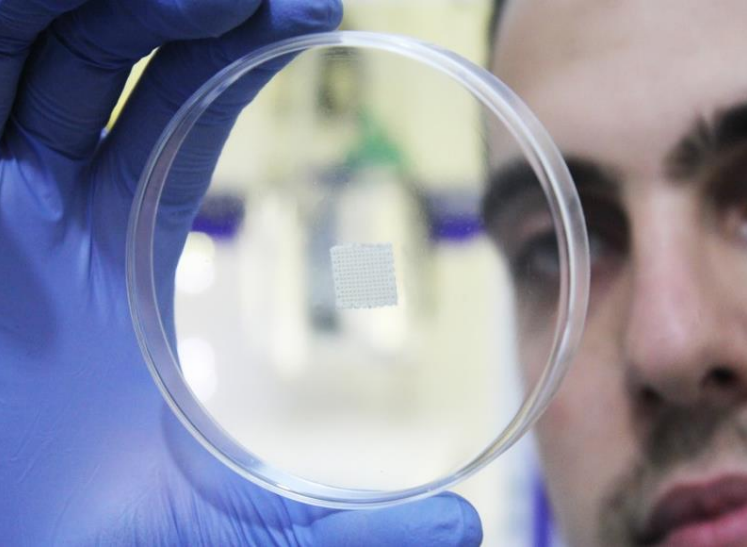


3DPL BioPrinters



Yours to *create*,
yours to *regenerate*:
life, right at your fingertips.

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About 3DPL

In 2017, a team of expert engineers and innovative scientists got together with one purpose: to rid the world of organ transplant and disease. The vision was simple, to create, to regenerate life with a device that's right at your fingertips. Thus, the 3DPL BioPrinter was made, an all-encompassing, robust, yet user-friendly bioprinter. We are the first in Iran to create a pneumatic-based bioprinter, which enhances the precision of building constructs.

By providing our products to such inspirational researchers, hand-in-hand, we can make the world a better place to live in.

Let us help you help the world, with next-level innovative technology.

3DPL BioPrinters

Introducing the most precise, yet cost-efficient, bioprinters out in the market: the 3DPL BioPrinter series. Available as single or dual extruders, the N1 and N2 models are truly one of a kind in their versatility, durability, and printability. Witness an increase in productivity in your lab with our devices.

What makes them unique?



Heating Control

A wide variety of bioinks can be printed with the cartridge or printbed temperature being controlled from room temperature to 200°C.



Photocuring

The 3DPL BioPrinter carries 2 separate ultra-violet LEDs in the range of 365 nm and 450 nm for curing photosensitive biomaterials, such as gelatin methacrylate.



Benchtop-Friendly

Its compact design allows you to place the bioprinter anywhere at your convenience, and can fit nicely under your biohazard hood.



Precision

Our expert team of engineers have incorporated linear rails and belt systems to guarantee a 15 micron precision on each axis.



Single/Dual Extruder Systems

Available in 2 forms, the 3DPL BioPrinter N1 model houses a single printhead, whereas the 3DPL BioPrinter N2 carries two. The choice is yours.



Open System

The 3DPL BioPrinter cartridge carries 2 disposable syringes, enabling you to use ANY bioink extrudable from a syringe—with just your imagination being the limit. It also helps maintain sterility.



Pneumatic Driven

The device is pressure controlled, allowing easy start and stop of the extruders during print. A range of 0 to 120 PSI (0 to 8 bars) can be applied, making it suitable for printing viscous fluids.



Cooling Fan

Cool your bioinks immediately to prevent collapse and fusion with our cooling fan.



Chamber Sterilization

Bioprint at ease with UVC lighting and HEPA H12 air filter, both available to ensure a clean environment for your cells. A door is added for good measure.

Want more features?

CUSTOMIZE your own bioprinter.

All you need to do is just **ASK**,
and your wish is our command.

