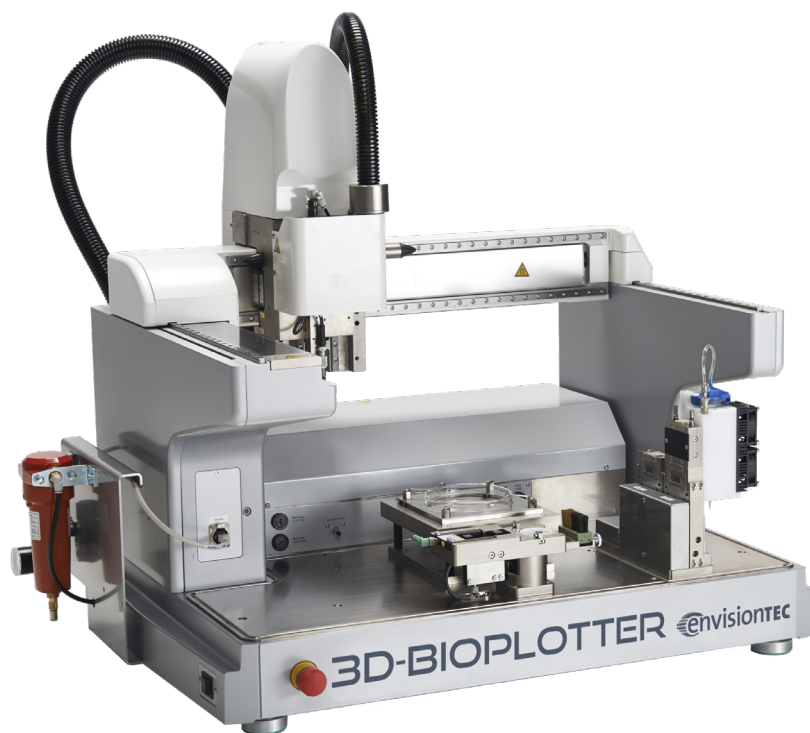


4th Generation **3D-BIOPLOTTER®** DEVELOPER SERIES

Jive SOLUTIONS
주식회사 자이브솔루션즈



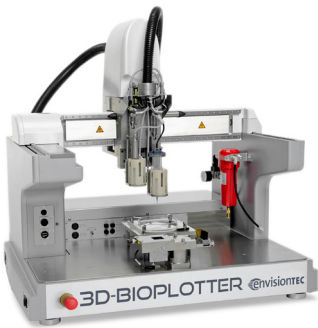
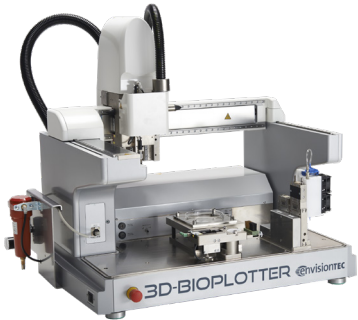
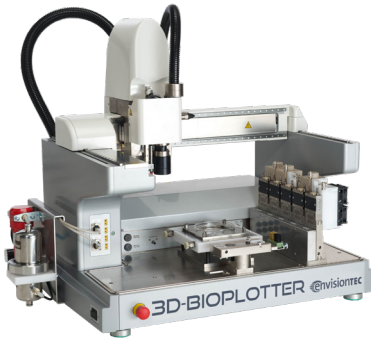
- Designed for research groups new to the field of Tissue Engineering, as well as for specialized use, where the limited capability still meet requirements.
- Consisting of the same basic hardware and software as the Manufacturer Series, but with reduced functionality regarding camera and park positions.
- Not upgradable to the same capability of the Manufacturer Series.

Machine Specification

Developer Series

Axis Resolution (XYZ)	0.001 mm (0.00004")
Speed	0.1 - 150 mm/s (0.004" - 5.91"/s)
Pressure	0.1 - 9.0 bar (1.45 - 130 psi)
Build Volume (XYZ)	150 x 150 x 140 mm (5.91" x 5.91" x 5.51")
Needle Position Control	Photo Sensor
Camera Resolution (XY)	-
Needle Sensor Resolution (XYZ)	0.03 mm (0.0012")
Minimum Strand Diameter	0.100 mm (0.004") - Material Dependent
Number of Materials per Scaffold	Maximum 3 Materials using 3 Print Heads
Print Heads Included	1x Low and 1x High Temperature Head
Filters Included	Particle and Sterile Filters
Platform Temperature Control	Heating and Cooling Capable (Chiller not included)
Platform Height Control	Automatic Z-height Controlling System
Material Calibration	Manual Material Calibration
Additional Features	Automated Nozzle Cleaning Process
	-
	-

3D-BIOPLOTTER® at a glance



MANUFACTURER SERIES	DEVELOPER SERIES	STARTER SERIES
Footprint: 976 x 623 x 773 mm (38.4 x 24.5 x 30.4 in)	Footprint: 976 x 623 x 773 mm (38.4 x 24.5 x 30.4 in)	Footprint: 850 x 623 x 773 mm (33.5 x 24.5 x 30.4 in)
Max Build Area: 150 x 150 x 140 mm (5.91 x 5.91 x 5.51 in)	Max Build Area: 150 x 150 x 140 mm (5.91 x 5.91 x 5.51 in)	Max Build Area: 150 x 150 x 80 mm (5.91 x 5.91 x 3.15 in)
5 max modular heads, 2 included	3 max modular heads, 2 included	2 Fixed High Temp Heads included
Needle Tip Calibration (XY): 9 µm	Needle Tip Calibration (XY): 30 µm	Needle Tip Calibration (XY): 30 µm
Needle Tip Calibration (Z): 1 µm	Needle Tip Calibration (Z): 30 µm	Needle Tip Calibration (Z): 30 µm
Particle and Sterile Filters	Particle and Sterile Filters	Particle Filter only
Industrial PC with automatic hard drive backup system	Industrial PC with automatic hard drive backup system	All-in-One PC, manual backup ready
Heated and Cooled Platform -10 °C to 80 °C	Optional Heated and Cooled Platform -10 °C to 80 °C	-
Temperature Curves, 5 points	Temperature Curves, 5 points	-
Substrate Height Sensor	Substrate Height Sensor	-
Semi-Automatic camera assisted material calibration	-	-
Photographic log during printing	-	-



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