

# BigRep Large-Format 3D Printers Comparison


**INNOVATION LINE**

Reliable, entry level 3D printer to bring designs to life in full scale with bio and standard materials.


**INDUSTRIAL LINE**

Graduate from desktop with a durable and cost-effective 3D printer to manufacture large-format quality parts.



Powerhouse 3D printer, built to take you from prototyping to production producing accurate parts fast and at lower costs.

[bigrep.com](http://bigrep.com)

Current Version	ONE.4	STUDIO.2	PRO.2
<b>BIO AND STANDARD MATERIALS</b>			
PLA	x	x	x
PLX	x	x	
PRO HT	x	x	x
HI-TEMP	x	x	
PETG	x	x	x
<b>ENGINEERING MATERIALS</b>			
PA6/66		x	x
ASA		x	x
TPU	x	x	x
HI-TEMP CF	x	x	x
PA12-CF			x
<b>SOLUBLE MATERIALS</b>			
BVOH	x	x	x
<b>FEATURES</b>			
Out of Filament Sensor	x	x	x
Print Speed	x	x	1.5x*
MXT® Controls Print Quality Improved			x
MXT® Controls Adaptive Mesh Bed Leveling			x
MXT® Controls XYZ Automated Calibration			x
MXT® Controls Dual Extrusion Automated Calibration			x
SWITCHPLATE® (flexible bed surface)			x
High Resolution Nozzle (0.6 mm)	x	x	x
Versatile Nozzle (1.0 mm)	x		x
High Throughput Nozzle (2.0 mm)	x		
Extrusion Technology	Power Extruder (PEX)	Studio Dual Extruder (SDX)	Advanced Capability Extruder (ACE 2.0)
Portal	BigRep Original		2nd Generation Precise Motion Portal
Achievable Part Accuracy	±0.3mm or ±0.004mm/mm (whichever is greater)*	±0.25mm or ±0.003mm/mm (whichever is greater)*	±0.2mm or ±0.002mm/mm (whichever is greater)*
<b>SPECIFICATIONS</b>			
Build Volume	x 1005 y 1005 z 1005 mm (x 39.5 y 39.5 z 39.5 in)	x 1000 y 500 z 500 mm (x 39.4 y 19.7 z 19.7 in)	x 1020 y 970 z 985 mm (x 40.0, y 38.0, z 38.5 in)
Extruder	PEX	SDX	ACE 2.0
Material Storage	Optional Keep Dry Chamber	Keep Dry Chamber	Keep Dry Chamber
Printer Weight	460 kg (1014 lb)	550 kg (1213 lb)	1550 kg (3417 lb)
Size	x 1850 y 2250 z 1725 mm (x 72.8 y 88.6 z 67.9 in)	x 1715 y 1170 z 1765 mm (x 67.5 y 46.0 z 69.5 in)	x 1950 y 2500 z 2105 mm (x 77 y 98 z 70 in) - with tower
Power	208 V – 240 V, 16 A, 50 / 60 Hz		3 Phase 400V AC, PE, 16 A, 50 / 60 Hz

\*speed and accuracy depend on part geometry and material used