

Large-Format 3D Printers Comparison



impacsystems.com

bigrep ONE



INNOVATION LINE

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

bigrep STUDIO



INDUSTRIAL LINE

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

bigrep PRO



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

CURRENT VERSION	ONE.4	STUDIO.2	PRO.2
BIO AND STANDARD MATERIALS			
PLA	x	x	x
PLX	x	x	
PRO HT	x	x	x
HI-TEMP	x	x	
PETG	x	x	x
ENGINEERING MATERIALS			
PA6/66		x	x
ASA		x	x
TPU	x	x	x
HI-TEMP CF	x	x	x
PA12-CF			x
SOLUBLE MATERIALS			
BVOH	x	x	x
FEATURES			
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)*
SPECIFICATIONS			
Build Volume	x 39.5 y 39.5 z 39.5 in)	x 39.4 y 19.7 z 19.7 in	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 72.8 y 88.6 z 67.9 in	x 67.5 y 46.0 z 69.5 in	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