

bigrep **STUDIO**^{G2}



GRADUATE FROM DESKTOP. 3D PRINT FULL SCALE. GET INDUSTRIAL.

The BigRep STUDIO G2 gets 3D printing off your desk and takes it to the next level. Operating with the same ease as a desktop 3D printer and with 10 times the build volume, the STUDIO G2 provides large-scale industrial manufacturing capabilities in a compact “fits everywhere” build.

BigRep 3D printers are German-engineered for durable, around the clock performance. Made from the highest quality materials these workhorse machines are built to be reliable, long-term partners for innovation.



Engineering-Grade Materials

The Best-In-Class Print Heads

With the inclusion of specialized nozzles, the STUDIO G2 is ready for printing with abrasive, engineering-grade materials at maximum speed and high resolutions. The specially designed extruder achieves high level detail with layer heights as low as 0.1mm on parts up to a meter long.



Fully Enclosed Environment

The Insulated Build Envelope

The STUDIO G2's enclosed, temperature-controlled build envelope is the perfect environment for engineering grade materials, providing users the ability to visually monitor the printing process with safe and easy access to the print bed.



Modular Temperature Controls

The Heated Filament Chamber

The heated filament chamber integrated into the STUDIO G2 ensures that engineering-grade materials remain dry in a consistently controlled environment for best-in-class quality. Going beyond industry standards, the filament chamber features independent temperature control.



Easy & Intuitive

The New Slicer

BigRep's new "BLADE" slicing software allows for greater control of printing parameters and presets for all BigRep-compatible materials. Its estimation engine gives accurate printing time and material use predictions for unmatched productivity.

TECHNICAL SPECIFICATIONS

Build Volume	x 1000 y 500 z 500 mm (x 39 y 20 z 20 inches)
Dual Extruders	Equipped with two 0.6 mm hot ends
Nozzle Diameter	0.6 mm
Layer Height	0.1 – 0.4 mm
Acceleration	Up to 600 mm/s
System Size	x 1715 y 1170 z 1765 mm (x 67.5 y 46 z 69 inches)
System Weight	Approx. 500 kg (1,100 pounds)
Operating System	Linux based
Network Communication	USB, LAN
Power	208 V - 240 V, 16 A, 50/60 Hz
Certification	CE approved (All major certifications in progress)
Slicing Software	BigRep BLADE (free)

MATERIALS FOR THE G2

Because materials play an important role in the quality and functionality of parts. BigRep develops and certifies filaments specifically for BigRep printers and also is third party compatible.

- Bio-Plastics: **PRO-HT, PETG, PLA, PLX, TPU, PVA, PLA** Antibacterial, **PLA** Ultralight
- Engineering Grade: **ASA, ABS, PA6/66, HI-TEMP**
- Fiber Reinforced: **HI-TEMP CF, PET-CF**
- Support: **Water Soluble (BVOH)**



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