bigrep STUDIO G2
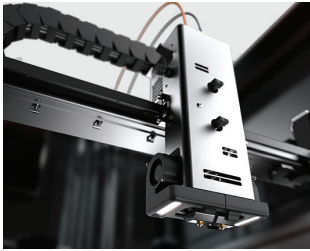

RELIABLE PRINTING IN LARGE-FORMAT FOR ENGINEERING-GRADE MATERIALS
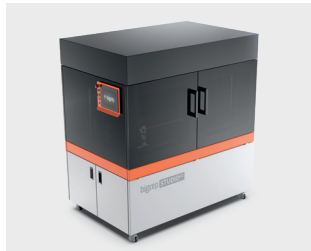
The BigRep STUDIO G2 is optimal for large-format 3D print projects and has been specially designed for printing with engineering-grade materials. Delivering high-quality results at any time in an ideal size for all working and production environments.

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.

The Best-In-Class Print Heads

With the inclusion of ruby 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.

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.

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.

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)**
Layer height resolution	**0.1 – 0.5 (mm)**
Acceleration	**Up to 600 mm/s²**
Extruder	**Dual extruder** Equipped with two 0.6 mm hot ends
Printing technology	**Fused Filament Fabrication (FFF)**
Certified BigRep materials	**PLA, PETG, Pro HT, TPU, PA6/66** More engineered materials in development
Print bed temperature	**Max. 100 °C**
Printer weight	**Approx. 500 kg**
Size	**x 1715 y 1170 z 1765 (mm)**
Power	**208 V - 240 V, 16 A, 50/60 Hz**
Safety certifications	**CE approved** All major certifications in progress

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