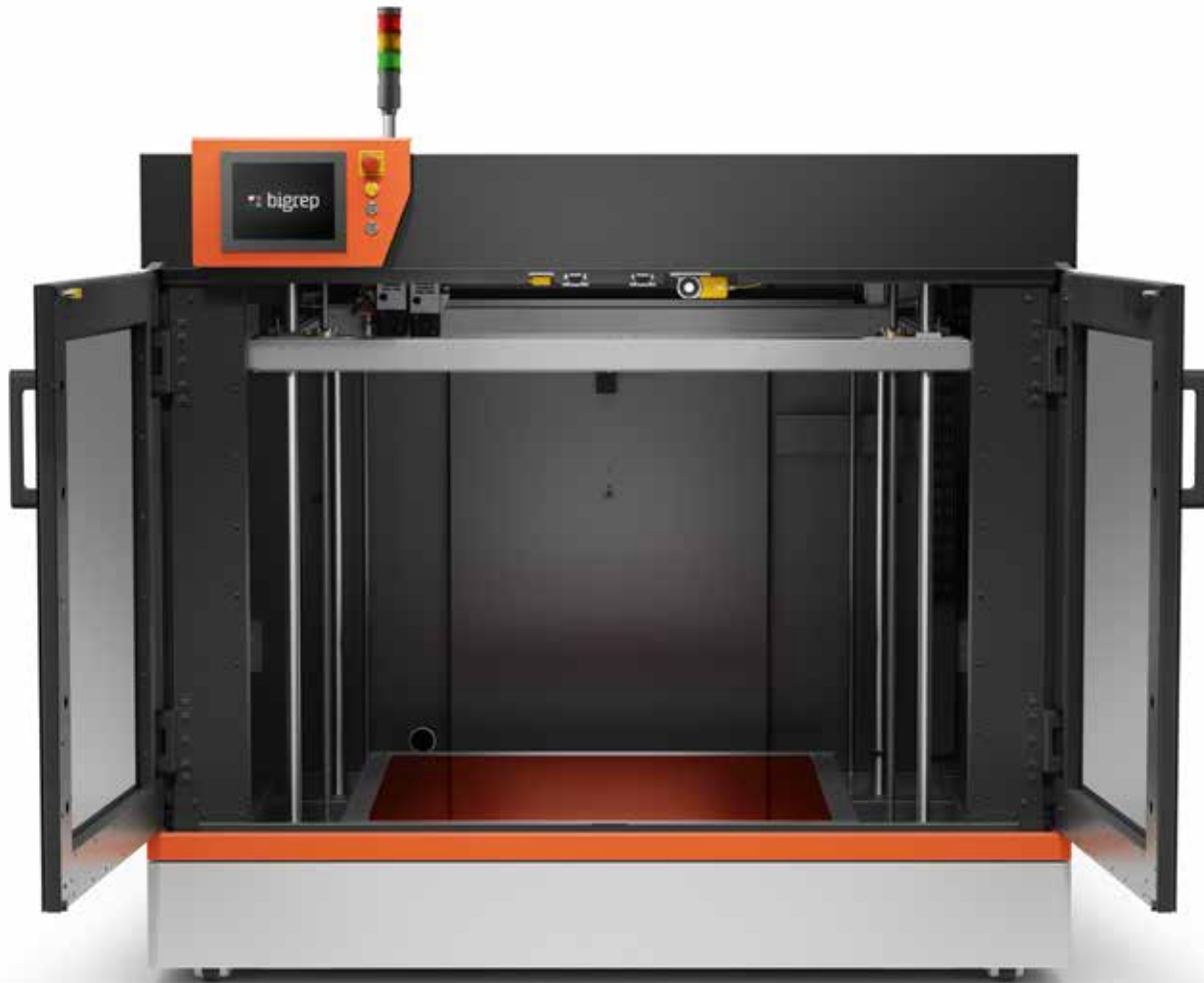


bigrep PRO



1 M³ INDUSTRIAL 3D PRINTER

ITERATE FAST. PRODUCE FASTER. GET TO MARKET FASTEST.

The BigRep PRO is a one m³ powerhouse, built to take you from prototyping to production. It provides a highly scalable solution to manufacture prototypes, end-use parts, factory tooling or more with high-performance, engineering-grade materials. The BigRep PRO is made to print massive, industrial parts or batches of smaller parts in a fully enclosed build volume, ensuring consistent print temperatures and safety from hazards on the factory floor. Compared with other manufacturing and FFF printing solutions, the PRO can produce full-scale, accurate parts faster and at lower production costs.

KEY BENEFITS



PRODUCTIVITY

Achieve high output and scale up production without compromise

Newly designed printer structure (Precision Motions Portal), for high accuracy at high speeds and payloads

Build volume of 1 m³ (diagonal of 1.7m) for printing big parts in one piece or batch production of smaller parts



QUALITY AND SPEED

Print faster while achieving high accuracy of both large and small parts

High performance extruder (ACE), for high responsiveness, accuracy and throughput

Proprietary extrusion controls (BigRep MXT Controls), for maximum control producing parts fast and precise



VERSATILITY

Create prototypes, jig, fixtures, low volume production and more

“Yes we’re open” Materials, for lower cost per part vs. traditional manufacturing and other FFF printers

Optimal print setting in BigRep BLADE slicing software for different speeds, materials, and resolution

TECHNICAL SPECIFICATIONS

Build Volume	up to x 1020 y 970 z 985 mm (x 40 y 38 z 39 inches)
Dual Extruders	ACE
Nozzle Diameter	0.6 mm, 1.0 mm
Layer Height	0.3 mm, 0.6 mm
Part accuracy	±0.2 mm (for L ≤ 100 mm) L x ±0.002 mm/mm (for L > 100 mm)
System Size	x 1950 y 2500 z 2105 mm (with tower)
System Weight	1550 kg
Operating System	Windows based
Network Communication	USB, LAN
Power	EU 3 Phase 400V AC, N, PE Power consumption 6100W
Certification	CE, EC Machinery Directive 2006/42/EC Compliant
Slicing Software	BigRep BLADE (free)

MATERIALS FOR THE PRO

Materials play an important role in the quality and functionality of parts. Understanding this relationship between printer and materials, BigRep develops and certifies filaments specifically for the BigRep PRO and also is third party compatible.

- Classic / Bio: **PRO-HT, PETG**
- Engineering Grade: **ASA, PA6/66**
- Fiber Reinforced: **HI-TEMP CF**
- Support: **Water Soluble (BVOH)**



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