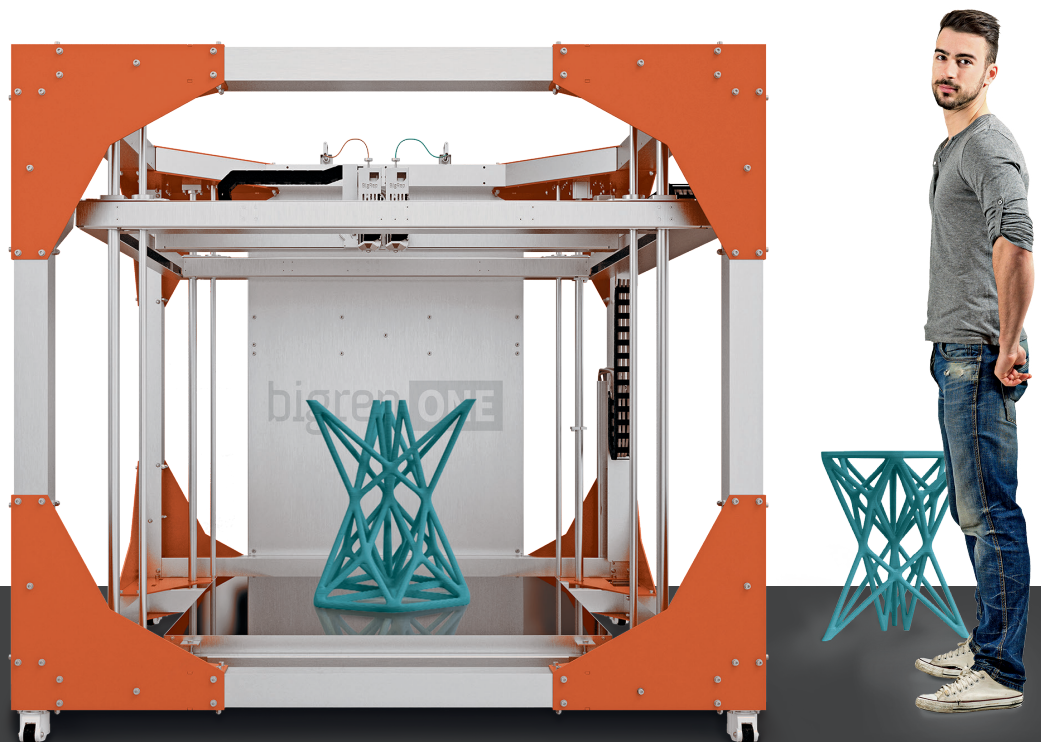


# bigrep ONE

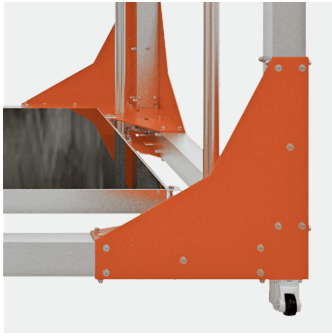


## THE MOST ADVANCED **LARGE SCALE** **3D PRINTING** EXPERIENCE

The BigRep ONE v3 was created for a range of applications: from industrial rapid prototyping to ready-to-go design products – anything is possible. It provides you with affordable and easy-to-use technology for large objects and ideas. **BIG IDEAS. BIG PRINTS.**

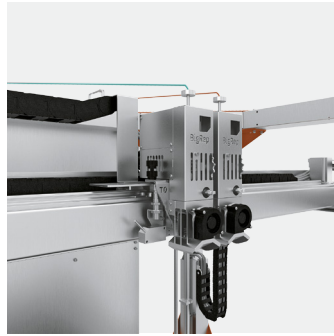
[bigrep-apac.com](http://bigrep-apac.com)

With a build volume of more than one cubic meter, the BigRep ONE v3 was designed and constructed for countless printing hours, consistent quality, and optimal results.



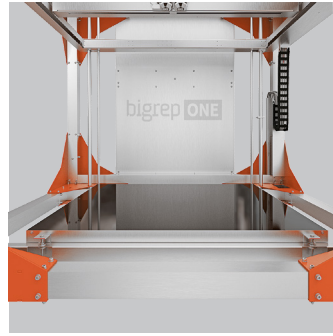
**OPEN AND SAFE**  
THE FRAME CONSTRUCTION

The open format ensures that the user has the best possible view for monitoring the quality and progress of the object at all times. All moving parts have been enclosed for user safety and to reduce contamination. Integrated sensors ensure safety, precision, and user friendliness.



**INDEPENDENT**  
THE PRINT HEADS

The modular print heads operate independently, allowing for unbeatable flexibility when printing in two colors or with support material (PVA). They can be easily adjusted and replaced without the need for tools. During the printing process, the active print head moves downward slightly to avoid making contact with the object. The print heads were developed by BigRep's in-house team and optimized for large-scale printing projects.



**BIG, BIGGER, THE BIGGEST**  
THE BUILD VOLUME

The new BigRep ONE v3 features a build volume of X 1005 mm x Y 1005 mm x Z 1005 mm. With a capacity of over one cubic meter, the new BigRep ONE v3 provides the largest FFF build volume currently available on the



**SPACIOUS AND FLEXIBLE**  
THE SPOOL HOLDER

The spool holder was designed to fit all standard spool sizes. It can hold several spools up to 8 kg. A run-out detection system notifies the user when the spool is about to end.

## TECH SPECS AT A GLANCE

Build volume	<b>x 1005 y 1005 z 1005 (mm)</b>
Layer resolution	<b>400 – 900 microns / *150 – 400 microns</b> *0.5 mm nozzle optional
Extruder	<b>Two modular extrusion heads</b>
Printing technology	<b>FFF – Fused-Filament-Fabrication (FDM)</b>
Certified materials	<b>BigRep PLA, BigRep Pro HT, BigRep PETG, other filaments on request.</b>
Support materials	<b>BigRep PVA</b>
Heating strategy	<b>60 – 80 °C</b>
Printer weight	<b>Approx. 460 kg</b>
Size	<b>x 1850 y 2250 z 1725 (mm)</b>
Power	<b>208 V – 240 V, 16 A, 50/60 Hz</b>
Safety certifications	<b>CE approved</b>
GUI	<b>Onboard with touch panel PC</b>

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