

3D-printing grows up: BigRep shows biggest FDM-printer in the world BigRep ONE.2 at EuroMold 2014 in Frankfurt

Affordable full-size 3D-printing for industrial use / Serial production ramped up / Molds for glass vases as a case study

BigRep is bringing big ideas to life. At EuroMold 2014 in Frankfurt/M. the Berlin based company is showing for the first time its new model, BigRep ONE.2. With a working volume of 1100 x 1067 x 1097 mm (1.3 m³) it is the biggest serial 3D-printer actually available. The prototype BigRep ONE has been introduced in February 2014 and caused a sensation all over the global 3D-printing community. Whereas conventional 3D-printers can only produce hand-sized models, BigRep ONE.2 enables its users to realize objects and molds in full scale. At the same time, BigRep ONE.2 is much more affordable than other full-size printers concerning purchase and maintenance.

With a printing volume of nearly 1.5 m³ prototypes, models or molds can be printed out directly. But products for end users like designer furniture are also easily to realize. At EuroMold 2014, BigRep demonstrates with its latest project, that BigRep ONE.2 is perfectly apt to produce molds as well. BigRep ONE.2 printed full-scale molds for glass vases. With these molds, a glassmaking factory realized vases at a size of 40 x 60 cm. Vases, molds and of course the BigRep ONE.2 are exhibited at EuroMold 2014, hall 11.0 / booth F86.

BigRep ONE.2 uses Fused Deposition Modeling/ Fused Filament Modeling (FDM/FFM). This is by far the most cost-effective method on the market and allows at the same time the use of a vast range of colors and materials. Production and global sales of BigRep ONE.2 have started. The printers are being shipped to Europe, Asia and the USA.

Lukas Oehmigen, CTO and founder of BigRep comments: "With our latest project we are demonstrating, how 3D-printing can be used in manufacturing. Our objective is to make full-size 3D-printing affordable for everyone – in design, prototyping and manufacturing. In this class, we are setting the standards. Costs for printer and filament are far below those of our competitors. Thus, we will revolutionize manufacturing and make it more flexible."

Photos in original size for download at: <http://bigrep.com/1/de/press/>