



BigRep Introduces BigRep FLOW, an End-to-End Solution for Production Aids

BigRep FLOW is a new customizable SaaS solution that makes application engineering for 3D printed jigs, fixtures, and manufacturing aids easier than ever, with no design skills or 3D printing experience required.

Berlin, Germany, May 5, 2022. BigRep, the global leader in large-format 3D printing solutions, launches its new workflow for automated application engineering: BigRep FLOW.

BigRep FLOW is a new Software as a Service (SaaS) product enabling anyone to create customized, 3D printable factory tooling with just a few clicks; no experience is required in 3D printing or 3D design. Much more than just design automation, BigRep FLOW automates the entire application engineering process for you with a customized app to produce ready-to-use tooling.

FROM **YOUR NEEDS** TO A **CUSTOMIZED SOLUTION**

Since every customer's needs are unique, the initial step is BigRep's engineering team to learn more about the customer's application. Together with the client, BigRep determines feasibility based on user-defined benchmarks and qualifications to launch the development phase. Feedback and development iterations result in a custom BigRep FLOW Application generating 3D printable tooling that consistently gets the job done. With BigRep FLOW, all design configurations are optimized for 3D printing speed and success, plus reduced material costs. Customers get the tools they need; faster, cheaper, and more accessible than ever.

In addition to a custom app, BigRep FLOW includes a collection of sample apps to produce a range of factory aids and tools. Available developed apps include transporters and organizers like customized trays, boxes, storage dividers, and shadow boards. Tooling apps and factory aids such as soft jaws, assembly jigs, and product twistors instantly let anyone create complex parts.

NO TRAINING IS REQUIRED TO CREATE CUSTOM TOOLS

BigRep FLOW is accessible across platforms, including mobile devices. Each custom BigRep FLOW App requires virtually no training as the user experience is straightforward and streamlined. Users log in to their BigRep FLOW account to access an App Library, which includes their custom apps as well as free sample apps. After opening the appropriate app (for example, a fixture configurator), the user uploads a 3D file of their existing part, for which BigRep FLOW then generates the custom fixture. The user easily configures the parameters within seconds. With a single click within the app, they can order their printed tools or start production on an in-house BigRep 3D printer.

THE FUTURE OF **AUTOMATED DIGITAL MANUFACTURING**

BigRep FLOW can replace an existing 3D workflow to save time and money. Users new to 3D printing can instantly create the tools they need and skip the 3D learning curve entirely, from application engineering to printing functional tools. The advantages of BigRep FLOW over a traditional 3D design workflow are clear. BigRep FLOW can create printable tools in minutes rather than days for immediate results and fast design iterations. The intuitive cloud-based interface makes it simple to configure custom tools, and design changes are calculated in real-time with

instant visualization. More than just automated design, BigRep FLOW Apps create 3D printable tools that meet benchmarks and qualifications for real-world use. Perhaps best of all, BigRep FLOW lets you maximize the potential of additive manufacturing for your business but requires no experience in 3D printing or CAD software skills.

“We are very excited to launch BigRep FLOW, our Advanced Workflow Automation Software, making it very easy to configure and produce the factory tooling needed on the production floor – faster and cheaper,” says Dr. Sven Thate, Managing Director of BigRep. “With FLOW, we support our manufacturing clients with the customization of their operations to outpace the competition. Our vision is to offer end-to-end solutions for our users. FLOW can be used with a qualified printing service to turn an idea or a need into a printed solution. If speed is even more of the essence, it turns our large-format 3D printers into connected jig and fixture work-stations and more.”

See the new BigRep FLOW online at www.bigrep.com/bigrep-flow and try out a sample app directly on the website.

BigRep FLOW Webpage: www.bigrep.com/bigrep-flow

BigRep FLOW Product Video: <https://youtu.be/0n9xGBTH0SE>

BigRep FLOW Photos: <https://bit.ly/3LIJEHH>

About BigRep

A global leader in large-format FFF 3D printing, BigRep strives to transform its user's productivity and creativity with easy-to-use additive manufacturing solutions. With an aim to help companies accelerate innovation and rethink manufacturing, BigRep's German-engineered 3D printers enable engineers, designers, and manufacturers from start-ups to fortune 100 companies to go from prototyping to production faster, getting their products to market first. Through collaborations with strategic partners – including BASF, Bosch Rexroth, Etihad Airways, and Deutsche Bahn – BigRep continues to develop complete additive manufacturing solutions comprising industrial 3D printers, software, and advanced materials. Founded in 2014, BigRep is headquartered in Berlin with offices and technical centers in Boston, Singapore, and Shanghai.

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