



BigRep and Teton Simulation establish a Partnership to Integrate SmartSlice™ into Large-Format 3D Printing

BigRep and Teton Simulation are excited to preview their software integration at Formnext 2021.

Berlin, Germany, November 8, 2021: BigRep, a leader in large-format 3D printing solutions, and Teton Simulation, the creators of SmartSlice™ technology, have partnered to bring the benefits of performance requirements-based validation and print parameter optimization to industrial large-format prints.

“We are excited to work with Teton Simulation and explore the possibilities of their advanced FEM technology,” said Dr. Sven Thate, Managing Director of BigRep. “We are convinced their industry-standard design verification will boost large-format FDM usage even in the most load-critical applications. We also see the possibilities of their load based design optimization to deliver significant time and materials savings and make FDM usage on industrial level easier than ever.”

SmartSlice™ helps industrial users to quickly define load cases for parts they intend to print and validate the as-printed performance of these parts against mechanical limits of the material but also against part deflections. With built-in optimizer features, users can also let the software find the ideal slicer settings individually for each section of a 3D geometry, guaranteeing load-performance with minimal amount of material.

“Teton Simulation is excited to announce our collaboration with BigRep to bring the power of SmartSlice™ to large format prints. BigRep’s ability to create high-quality, production-level parts at such a large scale provides a great opportunity to reduce material waste, increase efficiency, and save project costs,” said Teton Simulation CEO Doug Kenik. “And with BigRep BLADE slicer software we have the perfect vehicle to harvest the full power of SmartSlice™, bringing significant benefits to the users.”

The output of this partnership is expected to bring confidence that parts meet functional and performance requirements as well as time, money and material saving possibilities with automated part analysis and optimization from small- to large-format 3D printing. Currently working with BigRep materials, including PRO HT and HI-TEMP CF, the integration will be previewed at **Formnext 2021 in BigRep’s booth located in Hall 12.1 Booth F 01.**

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 of industrial 3D printers, software, and advanced materials. Founded in 2014, BigRep is headquartered in Berlin with offices and technical centers in Boston and Singapore.

About Teton Simulation

Teton Simulation develops software products that enhance the productivity of producing 3D printed parts. SmartSlice™ takes the guesswork out of optimizing a part for minimum print time and material use while ensuring that end-use performance requirements are met. The company's hallmark is providing software that is simple to use while providing very fast, reliable results. www.tetonsim.com

PREVIEW OF THE INTEGRATION (JPGS):

<https://drive.google.com/drive/folders/1amMFOXNhTlz0eQapXGYg2IP8fcw0B0JT?usp=sharing>

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