
PRESS RELEASE

Simufact Improves Metal Additive Manufacturing Efficiency with Integrated Print Cost Estimation and Enhanced Interoperability

Simufact Additive 2020 optimizes build job costs and streamlines workflows by connecting to build preparation tools and printers

[Formnext 2019](#), Frankfurt am Main, Germany, November 20, 2019 – [Simufact](#), a global operating software company providing process simulation solutions and services to manufacturing industries, today announced Simufact Additive 2020. This powerful solution for the optimisation of metal-based additive manufacturing (AM) processes now provides cost estimation of the build process, and improves interoperability with Materialise build preparation software and Renishaw printers to streamline manufacturing processes. Based on new technologies, the software provides higher performance and robustness

Estimate the Cost of Printed Parts

Simufact Additive 2020 expands the scope of manufacturing simulation. In addition to designing and optimizing the build process virtually, users can now estimate print job costs for single components or assemblies. Not limited to the build process, the capability also includes subsequent processes such as cutting, machining, drilling and grinding. This helps the user identify the best build variant by taking into account printing costs.

Enhanced Interoperability with Materialise print preparation software and Renishaw printers

Following Simufact's efforts to simplify data exchange in the AM process chain, Simufact Additive 2020 now interfaces to Materialise using the 3MF industry standard 3D printing data exchange format. 3MF enables simple and reliable data transfer with third-party software and considerably reduces timely efforts for the model set up.

Simufact Additive 2020 includes an integrated Renishaw QuantAM API for build job preparation and export, which provides the user an error-free-data transmission from Simufact Additive directly to Renishaw printers. This functionality also improves productivity because the entire work process from design to printed part is possible within the software. More interfaces are under development to allowing easy connection to other printing machines.

Higher Performance with Adaptive Voxel Meshing

This new software release applies new Adaptive Voxel Meshing technology to improve the simulation speed by automatically adjusting the voxel sizes in the part. This

provides more immediate results to users, and makes the simulation even more reliable and robust.

Hybrid Manufacturing

Another release highlight, Hybrid Manufacturing helps manufacturers to combine Powder Bed Fusion additive manufacturing processes with conventional manufacturing. Simufact Additive 2020 makes it possible to define a given part upon which the printing will begin, including any internal stresses. Thus, stresses and distortions of the complete assembly, and all single parts can be investigated.

Dr. Hendrik Schafstall, CEO and Managing Director, Simufact commented: “Simufact Additive 2020 broadens our scope from pure-play process build optimization software to provide cost optimisation. This new release also underlines our commitment to openness and interoperability with third-party products. We believe manufacturers should start wherever they want in the process to improve quality and efficiency and make additive manufacturing smarter.”

Simufact Additive is used by leading manufacturers such as Safran and BAE Systems to improve quality and reduce costly physical prototyping. Simufact Additive 2020 can be licensed alongside any MSC Software products through the MSC One token-based licensing system. For more information please visit

<https://www.simufact.com/whats-new-in-v2020.htm>

About Hexagon | Simufact

Hexagon is a global leader in sensor, software and autonomous solutions. We are putting data to work to boost efficiency, productivity, and quality across industrial, manufacturing, infrastructure, safety, and mobility applications.

Our technologies are shaping urban and production ecosystems to become increasingly connected and autonomous – ensuring a scalable, sustainable future. Simufact, part of Hexagon’s Manufacturing Intelligence division, is a global operating software company providing process simulation solutions and services to manufacturing industries. Learn more at [simufact.com](https://www.simufact.com).

Hexagon’s Manufacturing Intelligence division provides solutions that utilise data from design and engineering, production and metrology to make manufacturing smarter. For more information, visit [hexagonmi.com](https://www.hexagonmi.com).

Hexagon (Nasdaq Stockholm: HEXA B) has approximately 20,000 employees in 50 countries and net sales of approximately 3.8bn EUR. Learn more at [hexagon.com](https://www.hexagon.com) and follow us [@HexagonAB](https://twitter.com/HexagonAB).

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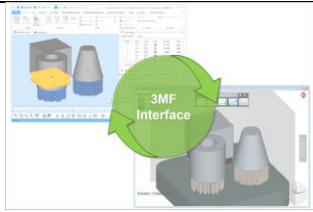

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Notes to editor

The following images are available in the press pack, or upon request.

 <p>Simufact-SCR-3MF-interface.png (dimensions: 1577 x 1063)</p>	<p>Smooth data transfer to Renishaw printing machines</p>
 <p>Simufact-SCR-cost-estimation-2.png (dimensions: 1452 x 1255)</p>	<p>Estimate and compare the costs of the printed parts</p>