
PRESS RELEASE

Simufact Additive version 4 in the starting holes

New product release preview at the TCT show in Birmingham

Hamburg, Germany, September 22, 2018 – At the TCT show in Birmingham, Simufact will provide first insights into their new Simufact Additive release, version 4. Simufact Additive is a dedicated simulation solution for metal AM, aiming at practitioners. Simufact Additive puts its focus on build preparation, build simulation and subsequent steps including Heat Treatment, cutting the base plate, removing supports and Hot Isostatic Pressing (HIP).

“Our upcoming version 4 will underline our ambitions to provide the best overall process simulation package – concerning speed, accuracy, functionality, and usability,” states Dr. Gabriel Mc Bain, Simufact’s Senior Director Product Management.

Higher efficiency by automation and assistant functionality

“The software comes with a workflow-oriented user interface, which our customers report as the best-in-class GUI,” Dr. Patrick Mehmert, Product Manager Additive Manufacturing, says.

“We will continue this approach with new functionality available in Simufact Additive 4, which efficiently guides the user through the simulation process workflow and supports him with new automation and assistant functionalities. The software helps the user to identify the best build orientation, completely compensate final part distortion automatically below a given threshold, optimize support structures automatically and predict manufacturing issues such as cracks, shrinklines, and recoater contact. It is also possible to calculate the temperature field for multiple parts on the base plate including pre-heating of the base plate.

Integrated support generation technology

Support structures play a significant role in achieving first-time-right print results. Simufact Additive offers integrated support structure capabilities, based on Materialise’s expertise, which allows users to visualize the support structures and perform basic operations, such as adjusting the density and angle of the supports.”



AM process chain: More interoperability

Another focus point for the new release is to strengthen the process chain capabilities: “Our open software concept allows interfacing with third party solutions in the AM process chain, such as OEM build preparation software – Renishaw’s QuantAM is an example – and Materialise Magics,” Mc Bain says. The software can export results in 3D universal format e.g. for structural analyses or fatigue calculation.

Full details will be unveiled on the Formnext show in Frankfurt, Germany, in November.

Press Pictures

For download of press pictures please go to the [Simufact website](#).

About Simufact

Simufact Engineering – an MSC Software company – is a global operating software company providing process simulation solutions and services to manufacturing industries. More than 20 years’ experience with providing simulation solutions for the design and optimization of manufacturing techniques in metal processing and a dynamically growing customer base exceeding a number of 800 customers have made the Hamburg (Germany) headquartered company a leader in this business area. The software primarily aims at the automotive industry, mechanical engineering, aerospace industry and their respective suppliers. Typical fields of application for Simufact software are hot forging, cold forming, sheet metal forming, rolling, ring rolling, open die forging, mechanical joining, heat treatment, different welding processes, and additive manufacturing. Learn more at simufact.com and follow us [@Simufact](#).

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