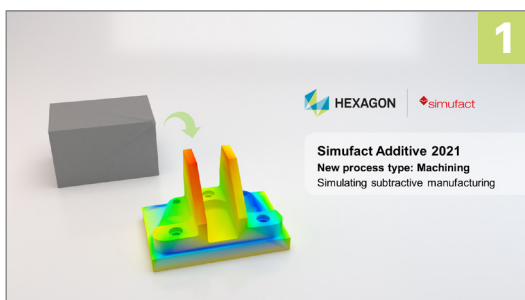




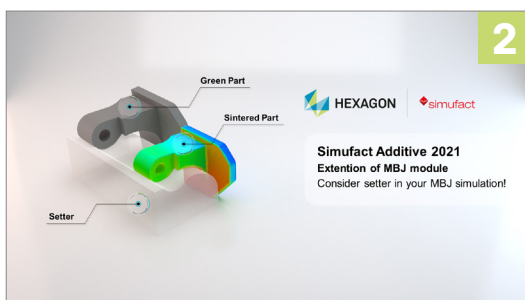
Simufact Additive

Top 5 Highlights in Simufact Additive 2021



New process type: Machining

Simufact Additive 2021 provides our users with a new application module for subtractive manufacturing simulation, called machining. It now predicts distortions after the machining process, such as milling or drilling, which results from any preceding manufacturing step.

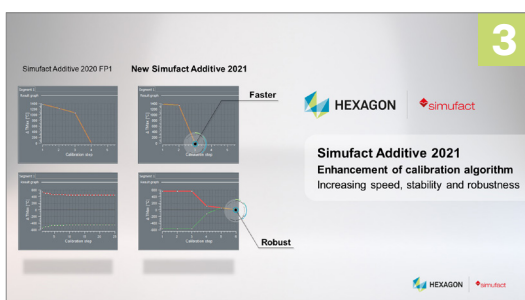


Huge enhancements to the Metal Binder Jetting module

In Simufact Additive 2021, our users benefit from three major enhancements to the Metal Binder Jetting (MBJ) module:

1. Users are now able to consider Setter geometries in the process simulation. Setters support the part during sintering to compensate for the part shrinkage.
2. A specifically developed solver for MBJ process simulation enables for a speed-up by a factor of up to 17 times.
3. The special new compensation algorithm for MBJ processes serves for an increased robustness during the optimization of distortion compensation.

Enjoy faster and more robust Metal Binder Jetting simulation in our latest version Simufact Additive 2021.



Enhancement of calibration algorithm

With the new version, we have implemented a new calibration algorithm. Users now benefit from faster and more stable calibration runs. This new feature enables an efficient and fast calibration algorithm, that drastically reduces calibration time while increasing stability and robustness.



Simufact Additive

Top 5 Highlights in Simufact Additive 2021



Enhancement of the base plate fixation

A new and easy to understand dialog for defining the base plate fixations allows users to define fixations at any position, with any diameter, and with any combination regarding degrees of freedom. Users can define the fixations from the top and bottom side or just from the one side.

In addition, the user can evaluate the fixation forces by using the Time-History (THS) plot.



Speed-up support generation and slicing

In Simufact Additive 2021, we significantly improved the speed of support generation and slicing, up to 10 times faster than in the previous version. The increased speed pays off through finely meshed geometries and filigree support elements.



Miscellaneous

Besides these top highlights, with the release of Simufact Additive 2021 we have modified the version numbers. In future, we will refer to further feature packs as 2021.1 and service packs as 2021.0.1.

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