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3D Printing Software Integrates 3D Manufacturing Format

Software pioneer CoreTechnologie has integrated the 3MF 3D manufacturing format into its 4D_Additive printing software.

Mömbris, 01.06.2023 (ab/mas) - The German-French software company CoreTechnologie (CT) has joined the 3MF industry consortium and optimised the latest version of its 3D printing software 4D_Additive for the 3D manufacturing format 3MF (3D Manufacturing Format). The integration of the 3MF open source file format into the 4D_Additive software is another step to strengthen the increasingly important industry standard for additive manufacturing.

Bridge between CAD Data and Additive Manufacturing

The 4D_Additive software is a modern technological bridge between CAD and additive manufacturing that supports all major 3D-Printing methods. The tool reads and writes also the modern 3MF data format. The open 3MF printing format makes it possible to send 3D models and production data for additive manufacturing independently as well as cross-platform to different software, hardware and service providers.

Based on CoreTechnologie's expertise in interoperability, 4D_Additive also enables the reading and writing of all common 3D data formats and offers automatic functions for 3D nesting as well as high-precision slicing of tessellated and accurate CAD B-Rep models. The software was developed for professional use and is suitable for both experts and beginners thanks to a user-friendly, intuitive and ergonomic graphic interface.

Additive Manufacturing with High Accuracy

CoreTechnologie's software enables direct processing as well as correction and optimisation of CAD models to ensure a seamless as well as automated workflow for all major 3D printing processes. CT CEO Armin Brüning says: "We are excited to be part of the 3MF consortium and to bring the unique capabilities of 4D_Additive, especially in terms of using accurate B-Rep CAD models for the additive

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manufacturing process. The industry is ready to embrace this technology, which brings precision and traceability of the established CAD standard as well as manufacturing information such as 3D dimensions and tolerances to the additive manufacturing process."

The potential applications for the new technology are diverse and range from the aerospace and automotive industries to medical technology.

Further information is available at www.coretechnologie.com/products/4d-additive.

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Text length incl. headline & intro: 2,392 characters incl. spaces, 40 lines of about 60 characters each

Background Information

The Software manufacturer CoreTechnologie founded in 1998 is headquartered in Frankfurt/Germany and has subsidiaries in France, Japan, and the USA. The company is the leading provider of 3D Computer-Aided Design (CAD) translation software, known as 3D_Evolution™ (conversion, repair, simplification, analysis), 4D Additive™ (3D printing software suite), 3D_Analyzer™ (CAD viewer with analysis tools) and 3D_Kernel_IO (CAD interfaces SDK). The mission of the company is to optimize seamless MCAD interoperability in the value chain and to develop customized solutions for PLM integration and process automation. The customer portfolio of CoreTechnologie includes 600 leading companies in the automotive, aerospace, mechanical engineering, and consumer goods industries, worldwide.

www.coretechnologie.com

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