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Innovative Cooperation in 3D Inkjet Printing

The software manufacturer CoreTechnologie is announcing his collaboration with Meteor Inkjet Ltd. from the UK in the field of industrial 3D inkjet printing.

Moembris, 09.01.2023 (ab/mas) – CoreTechnologie (CT) is now cooperating with Meteor Inkjet Ltd. of the UK, the leading supplier of electronics, software, tools and services for industrial 3D inkjet printing. The cooperation partners will ensure integration of their software environments and jointly realise innovative tools specifically designed for binder and material jet applications. The precision and multi-material capability of inkjet printing as well as new possibilities for automating additive manufacturing are the focus of the collaboration.

Inkjet Printing Systems for Additive Manufacturing

CoreTechnologie is the developer of 4D_Additive, a software suite for a seamless additive manufacturing process offering functions for model repair, geometry analysis and optimisation, support, lattice and surface texture generation as well as nesting and slicing. Combined with Meteor's world-leading printhead drive electronics and Met3D Digital Front End, it provides printer manufacturers with a straightforward path from design to production of inkjet printing systems for additive manufacturing.

The implementation of inkjet technology for the application of binders or materials requires a close integration of the hardware and software of industrial printing systems and innovative tools for additive manufacturing, as well as the reading capabilities for all common CAD formats and the provision of the optimised 3D data in a special format for inkjet printers. This prerequisite is targeted by the new cooperation of the two specialists.

"As a result of our collaboration with Meteor, binder and material jet systems with Meteor hardware and software can be easily integrated into the industry-standard workflow provided by 4D_Additive, enabling the processing of precise native CAD models of all major systems and formats," says Rémi Goupil, CT product manager for

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4D_Additive software. Meteor managing director Clive Ayling comments, "Our collaboration with CT not only provides a clear development path for 3D printing system OEMs, but will also lead to important sustainability benefits for the industry, such as real-time optimisation of 3D sand casting prints with precise density control, reducing material waste and curing time."

More information on the software is available at www.coretechnologie.com/products/4d-additive .

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Text length incl. headline & intro: 2,535 characters incl. spaces, 40 lines of approx. 60 keystrokes

Background information CoreTechnologie

The software manufacturer CoreTechnologie (CT) was founded in 1998 and has its headquarters in Moembris near Frankfurt am Main. The company is the leading provider of 3D Computer Aided Design (CAD) translation software known as 3D-Evolution™ (conversion, repair, simplification, analysis), 4D Additive (additive manufacturing software for 3D printing), 3D_Analyzer (CAD viewer with analysis tools) and 3D_Kernel_IO (CAD interoperability software development kit). The company's mission is to optimise MCAD interoperability in the design value chain and to develop customised solutions for PLM integration and process automation. CoreTechnologie's customer portfolio includes more than 600 companies in the automotive, aerospace, mechanical engineering and consumer goods industries, many of them quality leaders in their respective segments.

www.coretechnologie.com

Background information Meteor Inkjet

Meteor Inkjet Ltd, headquartered in Cambridge, UK, is the world's leading independent supplier of industrial inkjet electronics, software, tools and services. Renowned for its technical expertise and innovation, Meteor is trusted by printhead manufacturers and print system builders alike. Meteor is a wholly owned subsidiary of Hybrid Software Group PLC (Euronext: HYSG), a leading developer of enterprise software for industrial print production.

www.meteorinkjet.com

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