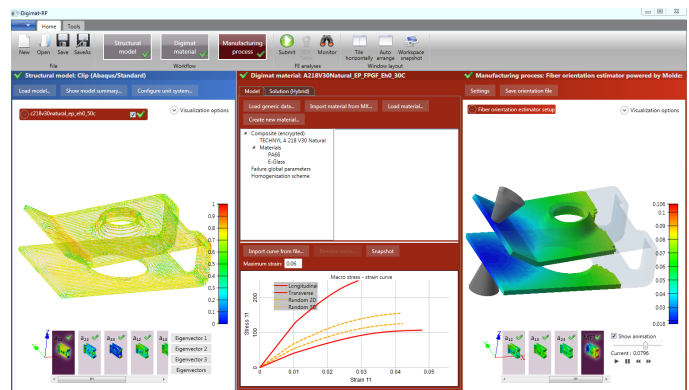


# e-Xstream engineering Announces a Complete Solution to Accelerate the Design of Reinforced Plastic Parts

*The new technology to estimate local fiber orientation with the integration of Moldex3D in Digimat-RP*

LUXEMBOURG--(November 11, 2015) – [e-Xstream engineering](#), an [MSC Software](#) company, today announced the release of Digimat-RP/Moldex3D (an OEM version of Moldex3D embedded in Digimat-RP) that provides Computer Aided Engineering (CAE) engineers with injection molding simulation from within [Digimat-RP](#).

The solution provides structural CAE engineers with an estimate of fiber orientation for their Finite Element Analysis (FEA). The fiber orientation estimate within Digimat-RP is based on a fully integrated Moldex3D technology for meshing, flow simulation and fiber orientation computation. User guidance and productivity is assured thanks to minimal input, fully automatic meshing and solving, and precise focus on fiber orientation computation capabilities.



Digimat-RP/Moldex3D benefits from the recognized integrative technology of [Digimat-RP](#), allowing easy and accurate nonlinear analysis of reinforced plastic parts through advanced nonlinear micromechanical material models and an intuitive user interface. Digimat-RP/Moldex3D brings efficiency of predictive plastic part analysis to a whole new level. Multiple process/design iterations for part optimization (i.e. confident light weight design) can now be achieved within a single day of work. “With the coupling of advanced technologies of Moldex3D for injection molding process and Digimat-RP for nonlinear multi-scale structural modeling, it is now possible for an accurate description of the local composite behavior for inclusion in FEA simulation. We believe our users will greatly benefit from this collaboration and enjoy a seamless CAE validation workflow which ultimately helps them design better fiber reinforced plastic parts in a faster and more robust manner,” said Dr. Venny Yang, the President of CoreTech System (Moldex3D).

“The design of reinforced plastic parts is traditionally based on a “black metal” approach where the plastic behavior is highly approximated resulting in over designed/too heavy parts,” said Dr. Roger Assaker, CEO, e-Xstream engineering. “This is due to the lack of process information and efficient tools enabling the structural engineers to account for the actual material behavior in the early design stages. This is today solved with Digimat-RP in general and with the integration of Moldex3D within Digimat-RP.”

Request your DEMO license and experience ease of use and efficiency with this breakthrough technology!

Click [here](#) to get a DEMO license.

### **About e-Xstream engineering**

Founded in 2003, [e-Xstream engineering](#) is a software and engineering services company 100% focused on the multi-scale modeling of composite materials and structures. The company helps customers, material suppliers, and material users across many industries reduce the cost and time needed to engineer innovative materials and products using Digimat, the nonlinear multi-scale material and structure-modeling platform. Since September 2012, e-Xstream engineering is a wholly owned subsidiary of [MSC Software](#). The e-Xstream engineering corporate logo and Digimat logo are trademarks or registered trademarks of e-Xstream engineering SA. For additional information about MSC Software's products and services, please visit: <http://e-xstream.com/>

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### **About CoreTech System (Moldex3D)**

CoreTech System Co., Ltd. (Moldex3D) has been providing the professional CAE analysis solution "Moldex" series for the plastic injection molding industry since 1995, and the current product "Moldex3D" is marketed worldwide. Committed to providing advanced technologies and solutions to meet industrial demands, CoreTech System has extended its sales and service network to provide local, immediate, and professional service. CoreTech System presents innovative technology, which helps customers troubleshoot from product design to development, optimize design patterns, shorten time-to-market, and maximize product return on investment (ROI). More information can be found at [www.moldex3d.com](http://www.moldex3d.com).

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