e-Xstream engineering, an MSC Software company is proud to announce the release of Digimat 2018.0

Easy and Highly Efficient, More Additive Manufacturing and Advanced Failure Modeling

NEW PORT BEACH, CA -- (November 14, 2017) – e-Xstream engineering, an MSC Software Company, and developer of Digimat, the leading nonlinear multi-scale material and structure modeling platform, today announced at the Formnext 2017 the imminent release of Digimat state-of-the-art software.

Digimat 2018 brings new levels of efficiency for as-manufactured structural analysis of reinforced plastic components through major enhancements of Digimat-RP. A completely redesigned user interface welcomes the connection to more molding manufacturing data such as weld line, fiber volume fraction, fiber length and residual stresses. Accurate design of short or long fiber reinforced plastic components as well as SMC has never been easier!

The Additive Manufacturing solution of Digimat 2018.0 has been extended all along its material/process/part performance capabilities, including virtual characterization of lattice structures in Digimat-FE, enhanced physics in Digimat-AM and access to standard structural analysis workflow in Digimat-RP. This release also supports the virtual printing and structural analysis of components made of Ultem 9085 printed with Fortus 900mc are now possible through Digimat-AM and Digimat-RP solutions, the results of a strong partnership with Stratasys.

Advanced failure modeling of short and long fiber reinforced plastic structures has been improved to better account for polymer sensitivity to stress triaxiality on composite failure initiation. Damage of such structures can now be modeled more precisely through a controllable damage law for enhanced energy dissipation predictions in crash simulation.

Digimat 2018.0 brings many additional new capabilities and enhancements. If you would like to watch the release webinar, please contact our team info@e-Xstream.com.

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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expand the horizon of simulation. MSC Software employs 1,100 professionals in 20 countries. For additional information about MSC Software's products and services, please visit: www.mscsoftware.com

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