

JEC Composites Group Names e-Xstream engineering's Digimat Virtual Allowables as Innovation of the Year

NEWPORT BEACH, CA -- (Business Wire – April 28, 2015) – [MSC Software Corporation](#) today announced that e-Xstream engineering's [Digimat-VA](#) ("Virtual Allowables") has been named a top innovation in composite manufacturing by the world's largest composite industry group. JEC awards have showcased excellence in composite manufacturing for 14 years, singling out more than 150 companies and 350 partners for contributions to improving composites technology and enhancing value for end users.

Digimat-VA ("Virtual Allowables") empowers engineers to virtually compare composite materials before starting a lengthy physical allowables process. By using Digimat-VA, it's now easy to generate hundreds or thousands of coupon simulations. Composite variability can be addressed and understood, bringing more confidence in design values. By generating virtual allowables, engineers can now start the component design in parallel with the physical allowable campaign. Furthermore, it enables users to explore material sensitivity to parameter variability and thus better understand the performance of composites.

The judges based their decision on Digimat's ability to provide engineers with advanced, accurate descriptions of local composite behavior. That knowledge gives them the confidence to take full advantage of composites' potential to replace metals with lighter but equally strong parts, assemblies and systems. The judges also praised Digimat's integration into existing design processes, and for bridging the gap between manufacturing process and structural analysis.

"The understanding and characterizing composites in general and the generation of allowables require a substantial amount of physical testing of coupons. This is costly, and more importantly, a lengthy process" said Roger Assaker, Chief Material Strategist and CEO of e-Xstream engineering, an MSC Software company. "To reduce this time and cost, we have developed Digimat-VA, a vertical Digimat solution aimed at setting up virtual test campaigns, generate and run 1000s of coupon analyses, post-process the results and get validated allowables."

For more information about Digimat-VA, please visit: <http://www.e-xstream.com/>

Or, attend the release webinar on June 4, 2015. To register, visit <http://e-xstream.com/webinars>

About MSC Software

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