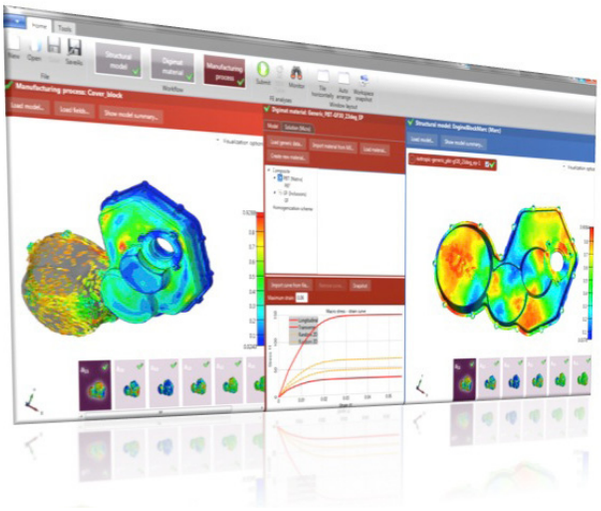
Digimat-RP

Accurate and Efficient Analysis of Reinforced Plastic Parts

...Made EASY

Digimat-RP (“Reinforced Plastics”) is a process-centric solution that empowers engineers to perform end-to-end simulations of Reinforced Plastic parts, linking their manufacturing processes to their final performance in a streamlined, high-fidelity and user-friendly manner.

Digimat-RP brings over 10 years of expertise in Reinforced Plastics modelling, packed in an easy to use solution that meets experts requirements as well as non-experts expectations. With its intuitive interface and guided workflow no training is required to get the best of the technology.



Accurate Linear & Nonlinear Analysis with all major FEA codes...

...using of exhaustive database of micro-mechanics material models...

...taking into account fiber orientations and injection molding results.

A 4 STEP ANALYSES PROCESS:

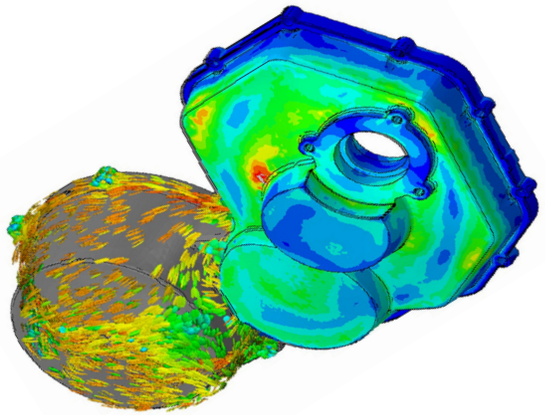
1. Load FEA Model
2. Select Material Model
3. Link Process to FEA Simulation
4. Update FEA Model and Run Coupled Analysis

HOW DOES IT WORK?

Digimat-RP empowers the user to model Chopped Fibers Reinforced Plastics (Short or Long fibers) accounting for Fiber orientations in a 3D coupled analysis. Within Digimat-RP the user can launch and monitor the coupled FEA analysis.

Supported Injection or Compression Molding Softwares:

- Moldflow
- Moldex3D
- Sigmasoft
- Timon3D
- Rem3D
- Simpoe



Supported FEA codes:

- MSC Marc
- MSC Nastran SOL400 & SOL700
- Abaqus (Standard & Explicit)
- LS-Dyna (Implicit & Explicit)
- Ansys
- Radioss
- Samcef

Key benefits

- High accuracy with ease of use
- Multiple performances (NVH, Stiffness, Thermo-mechanical, Crash/impact, Creep,...)
- Integrated within CAE landscape (Interfaces with major CAE injection/Structural codes)
- Extensive database of Reinforced Plastic Materials (Solvay/Rhodia, Sabic, Dupont, Victrex, etc...)
- The industry standard: used and supported by major Material Suppliers, Tier1 and OEMs

Get access to a high-end solution without underlying complexity and cost!

REQUEST YOUR DEMO LICENSE TODAY!

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Web: http://pages.mscsoftware.com/AccurateEfficient-Analysis-of-Reinforced-Plastic-Parts-with-Digimat-RP.html

7th Digimat Users' Meeting!
Rome, Italy I 21 – 23 October, 2014
More info & registration: www.e-Xstream.com

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