Ansys Granta MI™ for Simulation

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THE CHALLENGE FOR SIMULATION ANALYSTS

Simulation is now a standard component within the product development process. But accurate simulation needs accurate materials data.

Engineering organizations need to find this data or derive it from test data. This derivation can be complex, requiring analysis of large volumes of test data to provide a strong statistical basis for properties across a full range of relevant conditions. The results are then processed to generate the parameters and coefficients that populate the materials cards recognized by Simulation (CAE) software.

It is important to perform these tasks in a systematic and managed way to avoid repeat analyses and car Scse(w)1Eturacs 0nputs to

Fast access to simulation data, when and where users need it

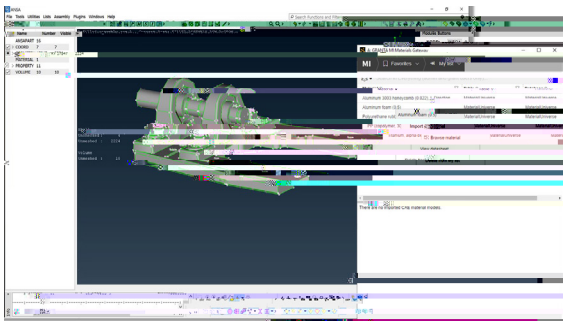
Both Granta MI Enterprise and Pro enable integration with a wide range of leading CAE software.

The MI Material Gateway enables instant access to approved materials data for simulation directly within leading CAE software. Users can also search and browse the available materials, view datasheets, and import applicable CAE materials models directly to the CAE environment, complete with full traceability information. These tasks are performed interactively with no risk of error due to data transfer.

For CAE systems not yet supported by MI Material Gateway, integration is still fast and error-free — export materials cards from Granta MI to use within software such as LS-DYNA®, Nastran®, PAM-CRASH®, PAM-STAMP®, Patran®, and RADIOSS®.

WHAT DO YOU BUY?

- Granta MI - Enterprise Server is the core database system, including data import, export and analysis tools. MaterialUniverse™ and JAHM Curve Data are included.
- Granta MI - User enables users to access, query and use the data via web apps or via MI Materials Gateway.
- Advanced Materials Data - enables you to add from an unrivaled materials data library.
- Granta MI - Services are available to help users implement Granta MI and integrate with in-house tools and data sources.



Guaranteed traceability gives users added confidence

From test data to simulation software, Granta MI ensures data and results remain fully traceable. Test data can be captured with its full pedigree — for example, tensile test results can be linked to data about the material batches from which they were derived. This data remains linked to simulation models, enabling users to trace the whole history of the data and analyses that fed into a simulation. This gives confidence in simulation results, makes it easier to run further analyses later and protects the vital corporate IP embodied in simulation work.

ANSYS, Inc.