

Ansys GRANTA MI

Create a single “gold standard” source for your company’s proprietary materials data, information and related experience. Integrate with the best available library of high-quality materials reference information.

/ Manage Vital Materials Knowledge

With Ansys GRANTA MI™, you manage the full materials data lifecycle, from test data to design and beyond. Workflow tools ensure smooth capture, processing and approval of data, information and expertise, so you can fully integrate the flow of materials information into your business processes.

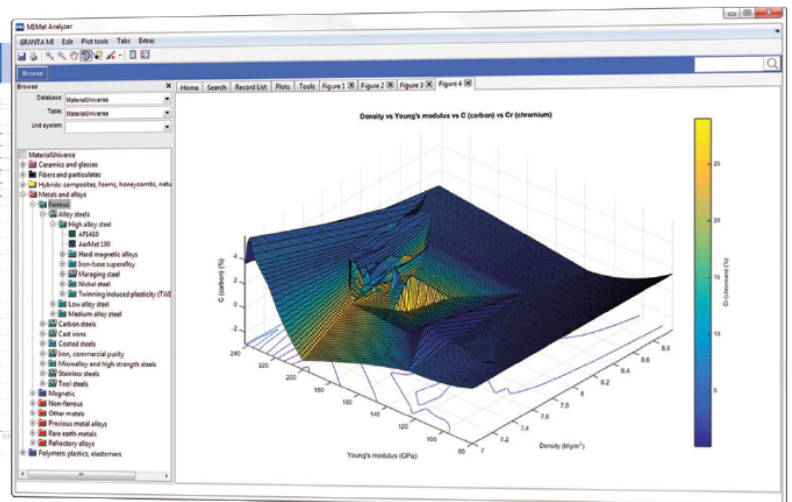
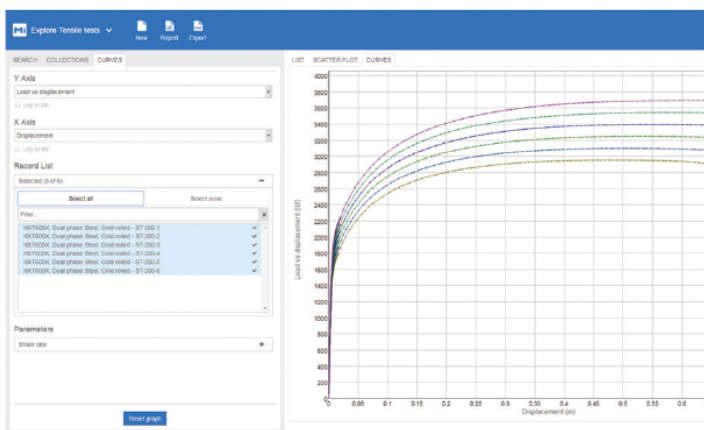
Proven data management templates based on best practices support you in creating the right data structures for complex use cases, such as additive manufacturing or composites. Within the same system, you can access a comprehensive library of quality reference information covering metals, plastics, composites and more.

/ Implement a Robust, Reliable Enterprise System

GRANTA MI is a proven system, tuned to manage materials data for your enterprise. Easy-to-use admin tools avoid unnecessary IT cost. You can trust in enterprise software features such as access and version control, as specified by the demanding aerospace and energy community of the Material Data Management Consortium (www.mdmc.net). Our implementation process and services team will help you to get up-and-running smoothly.

/ Key Benefits

- Increase productivity: engineers can find information fast and avoid duplicated work.
- Protect and apply vital materials IP.
- Save costs and reduce time-to-market: multimillion-dollar benefits for larger organizations.
- Reduce risks: avoid errors that can lead to delays, quality issues or legal liabilities.
- Get more performance from products by ensuring that you use the best available materials data, information and knowledge.

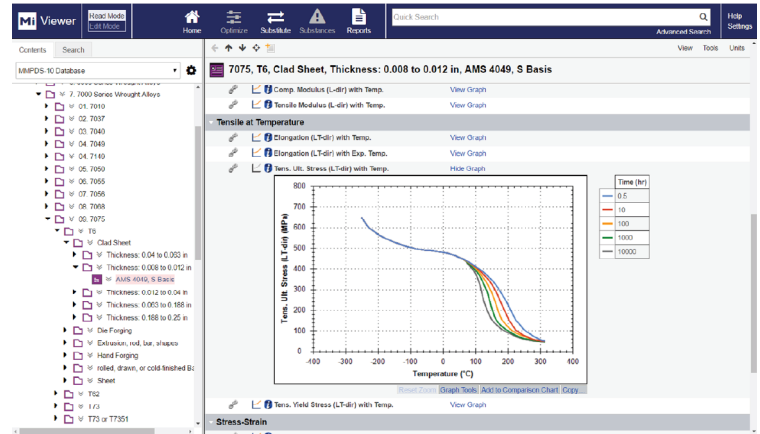


/ Empower the Design and Development Process

Get direct access to managed materials data from within top PLM, CAD and CAE systems with the GRANTA MI: Materials Gateway™ app. You can ensure controlled assignment and mass roll-up in CAD and enable queries like “Where is this material used?” across your PLM infrastructure. Guarantee that the right material models are used in CAE every time. Configure exactly the system you need, with a flexible approach to in-house tool integration and custom app development.

/ Reduce Risk and Make Better Materials Decisions

Assess and mitigate restricted substance risk, based on a dedicated solution to manage your proprietary data, plus unique, regularly updated reference data on substances and regulations. Ensure the right information is summarized for the right audience. For example, “preferred material indicators” in CAD can significantly reduce costs by steering designers toward preferred grades.



Browsing property data for an aerospace alloy in the GRANTA MI web browser app. Access is also possible via task-specific web apps and from directly within PLM, CAD or CAE systems.

GRANTA MI Packages

MI: Test Data Management™

Get maximum return on investment from your materials testing and qualification programs.

MI: Product Engineering™

Access materials support for product design and development, particularly integration with CAD and PLM.

MI: Simulation™

Get the right materials data, in the right format, for CAE.

MI: Composites™

Support rigorous, auditable composite qualification.

MI: Restricted Substances™

De-risk materials, designs and products.

MI: Additive Manufacturing™

Future-proof AM research and understand relationships between process parameters, materials and properties.

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