



GRANTA MI



The leading system for materials information management in engineering enterprises.

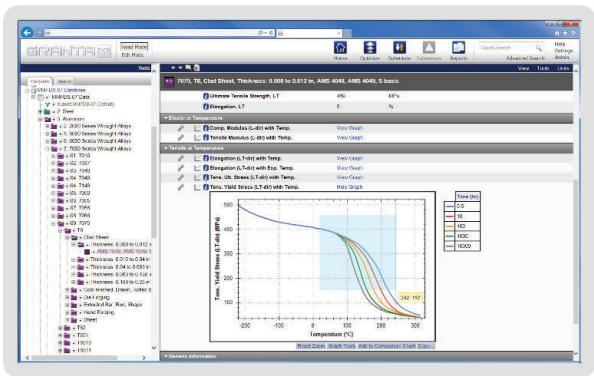
With GRANTA MI™, you can create a corporate materials database, combining proprietary data, information, and experience with trusted materials reference data. Save time, reduce risk, avoid wasted effort, and get more from investments in materials and related technologies.

GRANTA MI enables you to visualize and analyze materials data, creating valuable materials information. Targeted tools help different users to apply this information, supporting better and more consistent materials decisions across the enterprise: e.g., to optimize product performance and cost, or reduce regulatory risk.



Key benefits:

- Create a single, consistent source of materials knowledge for your team or enterprise
- Control materials data—avoid lost data, ensure traceability, security, and accuracy
- Gain time—avoid duplicated tests and effort finding information
- Innovate—increase confidence in data, push materials to their limits, re-use knowledge
- Reduce risk, for example, from restricted substances
- Reduce cost with better-informed materials decisions



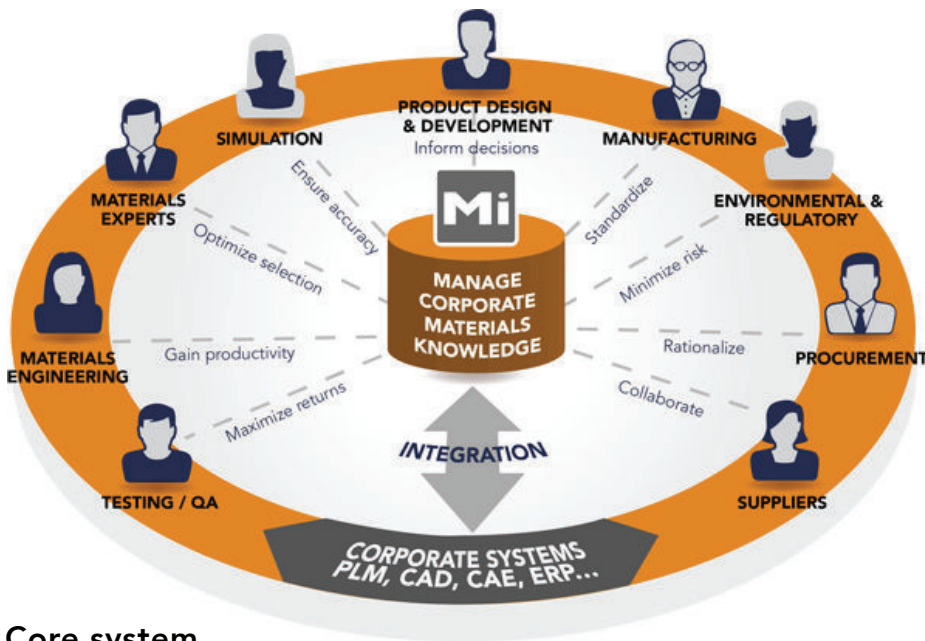
Browsing property data for an aerospace alloy in the GRANTA MI web browser interface. Access is also possible via tailored web apps and within applications embedded within CAD, CAE, or PLM systems.

On-going development of the system is guided by active input from customers worldwide, including members of three unique industry consortia. This work also builds on Granta's unrivalled experience of implementing materials information technology in hundreds of real engineering environments.

Materials professionals use GRANTA MI to manage, analyze, certify, and maintain materials data and information, making it available across the enterprise in a secure and controlled manner.

Engineers, simulation analysts, designers, EH&S professionals, managers, and others access and apply approved, up-to-date, traceable materials information within their routine workflows. The experience developed as they apply this information can be captured for future re-use.

One view of materials for your team or enterprise



Core system

Materials database system—MI:Server is robust and scalable. Store in-house materials data and your choice from a comprehensive data library.

Build and maintain your system—there's no need for IT expertise with, e.g., easy tools for fast, error-free data upload and flexible access control.

Fast access to the data you need—MI:Explore web apps can be tailored for specific users, helping them to input, find, and visualize data, fast.

Make the most of your data—MI:Viewer is a rich browser interface: query, compare, report on, edit, import, and export data.

From test to simulation and design—build apps to visualize and analyze materials data; e.g., to derive simulation models or design allowables.

Materials data for CAD, CAE, and PLM—MI:Materials Gateway provides direct access to materials data, when and where you need it.

Integrate in-house tools—through the MI:Software Development Kit.

GRANTA MI packages

MI:Additive Manufacturing, MI:Simulation, MI:Composites, MI:Metals, MI:Plastics—manage materials information for specific applications.

MI:Aero, MI:Automotive, MI:Medical—support specific industries.

MI:Restricted Substances—ensure compliance for materials and designs.

MI:Materials Strategy—select materials to meet business objectives.

MI:Product Intelligence—assess environmental risks for products.

MI:Industrial Design—align design choices with engineering possibilities.

MI:Collaborate—cost-effective support for multi-partner projects.



Summing it all up, per annum, we're looking at about £6.9M of savings throughout three different sites...

Major aerospace enterprise (Granta webinar)

Selected users

Airbus Helicopters

Boeing

Bombardier

Cessna

Doosan Babcock

EADS Astrium

GE

General Motors

Honeywell

Jaguar Land Rover

Lockheed Martin

MBDA

NASA

Northrop Grumman

PSA Peugeot Citroën

Raytheon

Rheinmetall (KSPG Automotive)

Rolls-Royce

RUAG Space

Sulzer

TRW Automotive

United Technologies Corp.

Vestas

See the latest customer case studies:

www.grantadesign.com/mi/casestudies.htm



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MI15-12

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