GRANTA
MATERIAL INTELLIGENCE

Release Notes:
MI-21 Data Module for GRANTA MI

September 2015 Release

MI-21 is a comprehensive reference module containing global standards and specifications for over 27,000 ferrous and non-ferrous alloys from the WMI (World Metal Index), and 39,000 consumables from the TWI (The Welding Institute) metals joining and surface treatment library.

It includes data on comparable grades, available forms, and suppliers, which is useful for specification, procurement, design, analysis, manufacturing, maintenance, and repair, as well as identifying equivalents.

What's new in this release?

In this latest version of the MI-21 data module for GRANTA MI, coverage is increased to over 68,000 materials and consumables.

Highlights include:

TWI Consumables:

- Over 1000 additional fillers
- 275 additional covered electrodes
- Additional fluxes, powder alloys and solders.

WMI Metals:

- Over 1200 additional ferrous alloys, including more than 600 stainless steels and around 200 powder metals
- Around 500 additional nonferrous alloys, including around 150 aluminum alloys and 100 nickel alloys.

The new data includes coverage of over 400 additional standards and specifications including over 240 ASTM standards and around 70 AMS Aerospace specifications.

How can installing this release help you?

- Access the latest data available from the World Metal Index and TWI consumables libraries.

- Identify equivalent materials, comparable grades, available forms, and suppliers of metallic materials.

- Use for selection, specification, and procurement of metal joining and surface treatment consumables.

System requirements

This release of the MI-21 data module is compatible with GRANTA MI Version 7 and later.

For detailed system requirements and instructions on installing the database, see the installation documentation for your GRANTA MI release.

BEFORE INSTALLATION

If you have a previous version of the data module installed, please note the following **before** installing the new version:

- If you have added or modified any of the FE exporters for this data module, and you have not stored the modified exporter in a *__User_Exporters__* subfolder, you will need to export a copy of these using MI:Admin before installing the new database, and then import the exporters into the new version of the database. Refer to Section 5.9 of the *GRANTA MI Administrator's Guide* for additional information.

- If you have added or modified any of the unit systems for this data module, you will need to replicate these changes in MI:Admin for the new version.

- If you have added or modified any layouts for this data module for use with MI:Explore, you will need to replicate these changes in MI:Admin for the new version.

Further information and contact details

Additional information about this data module is available on the Granta Design website here: www.grantadesign.com/products/data/mi-21.htm.

If you have further questions, contact us: www.grantadesign.com/contact/