

SPECTRO Metal Database



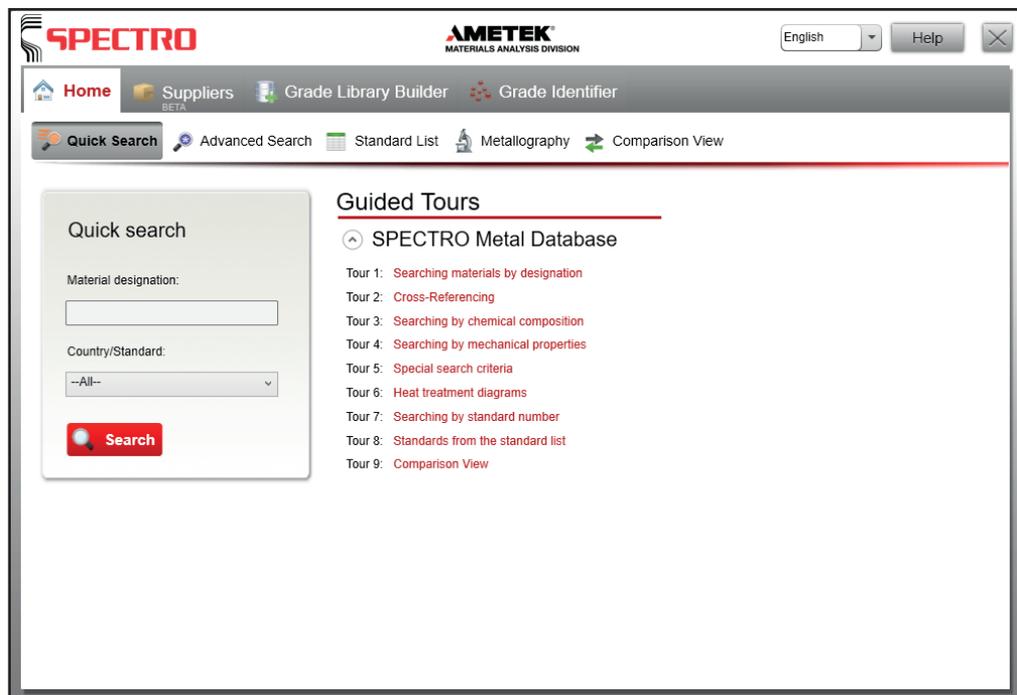
Comprehensive

- Millions of properties records and thousands of material designations from all major organizations and industrial associations
- Search for mechanical properties or heat treatment details
- Look-up of properties at elevated temperatures or application guidelines
- Using SmartCross to check for equivalent materials (grades)
- Comparison of grade specs side by side in the comparison view
- Replace hours of tedious research with a few clicks on the keyboard

Easy

- Search within thousands of materials and get the required grade displayed in a few seconds!
- Identification of unknown materials by composition with the Grade Identifier
- Identification of unknown materials by properties with the Advanced Search
- Using Grade Library Builder to export material (grade) specifications for your SPECTROMeter
- Multilingual platform

Request your trial version as a download at gradebase.spectro@ametek.com



The screenshot shows the SPECTRO website interface. At the top, there is a navigation bar with 'Home', 'Suppliers BETA', 'Grade Library Builder', and 'Grade Identifier'. Below this is a search bar with 'Quick Search', 'Advanced Search', 'Standard List', 'Metallography', and 'Comparison View'. The main content area features a 'Quick search' form with fields for 'Material designation:' and 'Country/Standard:' (set to '--All--'), and a 'Search' button. To the right, there is a 'Guided Tours' section with a dropdown menu set to 'SPECTRO Metal Database' and a list of nine tours: Tour 1: Searching materials by designation, Tour 2: Cross-Referencing, Tour 3: Searching by chemical composition, Tour 4: Searching by mechanical properties, Tour 5: Special search criteria, Tour 6: Heat treatment diagrams, Tour 7: Searching by standard number, Tour 8: Standards from the standard list, and Tour 9: Comparison View.

SPECTRO Metal Database – your all-in-one tool for detailed information on metals and alloys. Look for mechanical properties, search for adequate alloys or identify an unknown alloy by its chemical composition.

SPECTRO Metals Database provides SPECTRO customers with an exclusive combination of benefits:

- **SPECTRO Metal Database**, the comprehensive metals properties database
- **Grade Library Builder**, a special function for the creation and management of Grade Libraries
- **Grade Identifier**, a special function to identify an unknown grade based on its chemical composition

Grade Library Builder

- Create grade libraries for current type of SPECTRO iSORT, SPECTRO xSORT, SPECTROTEST, SPECTROPORT, SPECTROMAXx and SPECTROLAB
- Manage the grade libraries for your SPECTROmeter: Importing, extending and converting existing grade libraries
- Exporting grade selections to Excel for further processing
- Export grades from the SPECTRO Metal Database to keep the grade libraries on your SPECTROmeter up-to-date (200 exports, upgradeable)

Grade Identifier

- Helps to identify an unknown grade based on its chemical composition: Manual input or import of previously saved analysis results; XML or ASCII formats of the different SPECTROMeters (please see Grade Library Builder for supported instruments)

SPECTROTEST, SPECTROMAXx and SPECTROLAB:

- SPECTRO Metal Database pre-installed as trial version on all new SPECTROTEST TXC03: limited export (20 exports) of grades from the SPECTRO Metal Database to the instrument by Spark Analyzer software function "Extended grade search"
- Full version: unlimited export

www.spectro.com

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