NEW

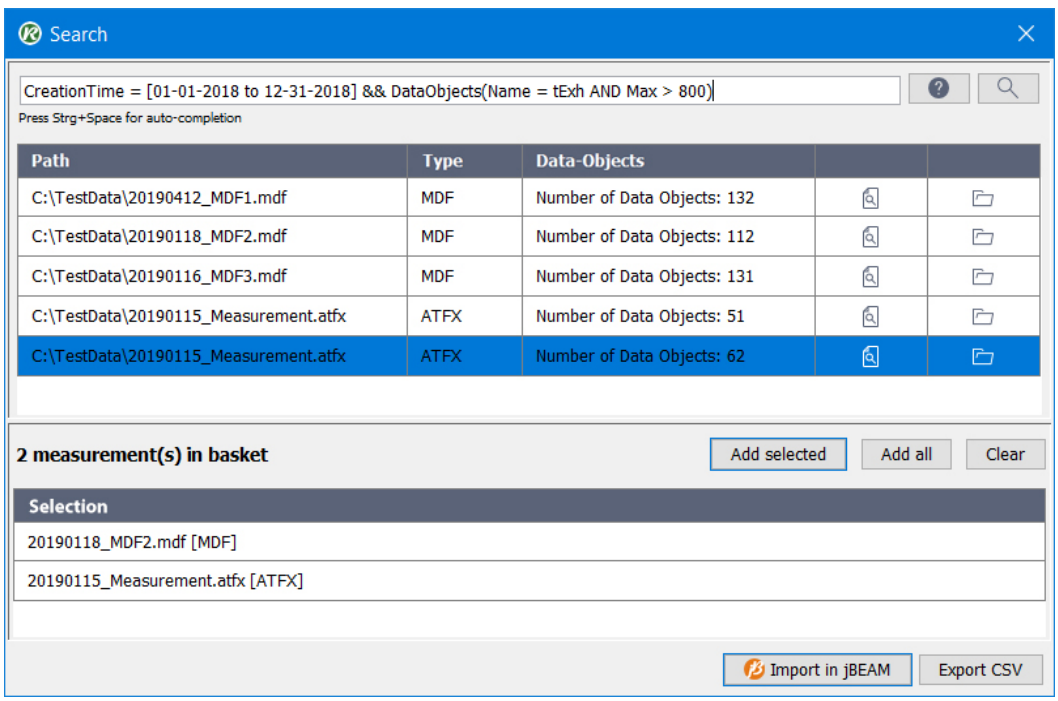
Data Ranger

MaDaM´s little Brother

A Kistler Group Company

The local test result management system

Data Ranger scans a complete hard drive or parts of it for test data files. It extracts meta data and statistical values of the channels. These procedures are based on 25 years of experience regarding test data and are similar to the high-end solution MaDaM. The resulting information consists of a channel-overview for a quick visualization and is indexed for fast and intuitive searching. Measurements retrieved through the search process can easily be imported in data post-processing tools with analysis and visualization components, like jBEAM. Additionally, Data Ranger offers to export a table with information of search results either as CSV or Excel.



„Show me all tests of last year with turbocharger ABC where the exhaust temperature exceeded 800°C."

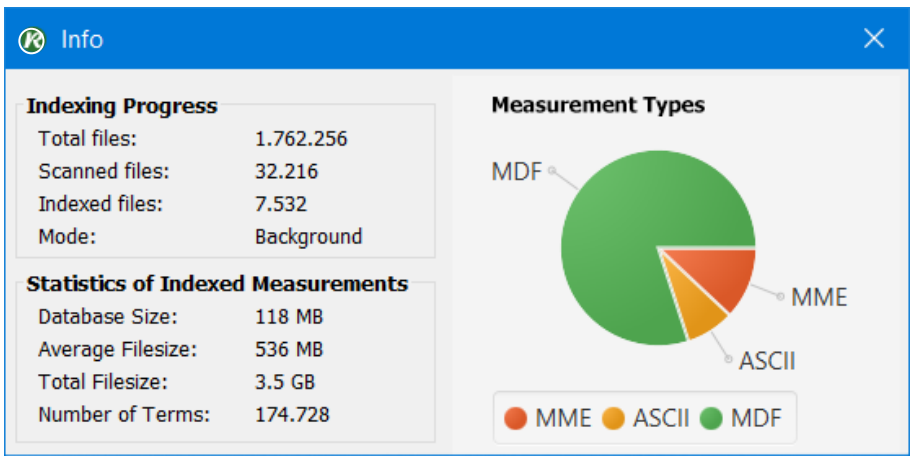
- Base directories and relevant measurement file types can be configured
- Scanning process can start manually or automatically on system start
- Scans continuously in background
- Original files are used for complete workflow
- Scanned files are tagged during indexing to avoid double scans, even after moving files to another folder
- Search for measurements is based on their
    - file information
    - extracted meta information
    - calculated statistical values

User Interface

- Easily controlled via context menu in the system tray
- Intuitive searching with auto-completion
- Detail view with all extracted data

Use Case

Scanning for files on local storage for each individual user



- Progress information for user
- Status information on scanned and identified measurements

Running Modes

- **Default:** scanning as a low-level background process to avoid disturbing work on the hosting system
- **High-Priority:** can be toggled manually to improve scanning performance
- **Pause:** to halt indexing of new measurements while still being able to use searching features

Technology

- Programmed natively in Java for OS-independent application (Windows, Linux, Mac)
- Using Lucene for best single-node indexing and searching features
- Applying jBEAM for brackground extraction of deeper inside information of scanned files, therefore being able to scan more than 100 different measurement file formats
- No data file conversion necessary