

## LabSpeed: Automated Instrument Results Data Storage



Many elemental analyzers save data in separate files or store data in a way that is not easily accessible by all parts of a networked organization. The Topos SQL Server database is a secure platform where all instrument data may be saved and later retrieved using LabSpeed. Since analytical results are automatically transferred as they are collected, the results are safely and securely "locked up", which guarantees compliance with strict government regulations to ensure data integrity.

LabSpeed™ running from any networked PC, whether in the laboratory or in the office can then be used to access the database to provide efficient searching, trend analysis, SPC, reporting, limit checking and exporting in other formats.

## TOPOS SQL Server Database Engine

SQL Server is an enterprise level database engine, providing secure data access from all networked PCs.

The Topos SQL Server instance is typically installed right on the instrument PC. The Topos SQL Server database engine and instrument database may also be installed on the network PC where SQL Server currently resides.

### *The benefits of storing instrument results to a database:*

- Organizes instrument data into a single database for easy retrieval
- Moves data from an unprotected file format to a secure, password-protected database
- Allows sharing of data across an organization
- Provides compatibility with LabSpeed Results Management Software for instant retrieval and viewing

## File Monitor Service & Controller

The LabSpeed File Monitor Service continuously monitors for data saved or exported from the instrument, retrieves the data and transfers it directly to the secure Topos SQL Server database, all without operator involvement.

### *Key LabSpeed File Monitor Service & Controller Features Include:*

- Auto-Start on PC startup
- No operator involvement in day-to-day 7/24 operation
- Settings Editor for one-time, easy setup of file path to monitor
- Optional, automatic archiving of the original data file with date-time stamping

- Tray icon access to status display
- Start, Stop and Pause
- Automatic Save to Topos SQL Server 2005 / 2008 Database

## LabSpeed Add-In

LabSpeed uses an instrument add-ins to access data in the Topos SQL Server database. Because it is a database, there are additional Sample search and filtering capabilities not available when samples are stored to a file, such as specifying a date range and subset elements.

## Supported Instruments

At this time, database and supporting services are offered for a variety of SPECTRO Analytical instruments, including the following handheld and bench top X-Ray Fluorescence and Spark spectrometers.

### SPECTRO ANALYTICAL INSTRUMENTS - SPARK OES

- SpectroMAXx™
- SpectroLab™

### Spectro Analytical Instruments - XRF

- xSort™ Handheld analyzer
- Midex™
- Xepos™
- SPECTROTEST™

## Installation

Installation is a simple 3-step process, which includes

1. Topos SQL Server Database Engine (SQL Server 2005 .\Topos instance)
2. Instrument Database, File Monitor Service & Controller
3. LabSpeed Add-In

Installation is automated, requiring little user intervention. And once installed, it usually requires no additional setup other than changing the default file monitor path.