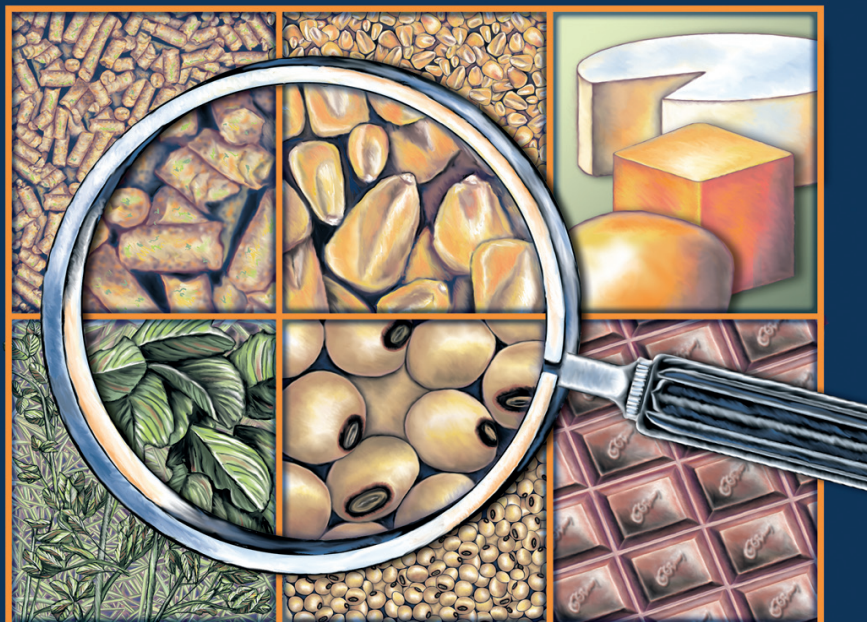


WinISI™ 4 Calibration development software



ISI Software

WinISI™ 4 is a comprehensive chemometric and monitoring package designed to ensure the highest performance from your NIR analyses.

WinISI™ 4 New Features

- Redesigned Project Manager with increased ease-of-use
- PC Standardisation for advanced instrument or product standardization
- Discriminant Analysis toolbox including 5 powerful discrimination methods
- Fast LOCAL database management program, providing a set of powerful tools for model optimisation and evaluation
- Enhanced calibration monitor program with support for 4 calibration equation file formats and interactive graphics
- Support for long filenames in all programs

The WinISI™ software from Infracore International has been an industry favorite for high-performance NIR calibration development for more than a decade.

WinISI™ products have led the industry with familiar ISI features including Scores population structuring program, MPLS/PLS, PCA, and MLR global calibration routines, and a complete set of tools for developing and managing LOCAL databases.

WinISI™ 4 Classic Features

- Direct import of spectra and monitor files from ISIScan™ and Foss Integrator
- PLS, PCA and MLR calibration algorithms
- LOCAL database management and evaluation tools
- Scores population structuring programs
- Network management and standardisation tools
- Network monitoring program for monitoring a group of instruments
- Indicator variable option in calibration development to compensate for laboratory variation
- File management program

WinISI™ 4 is the latest edition of the familiar ISI product. This version continues the WinISI™ tradition of performance and adds several new features including PC Standardisation, Discriminant analysis and local optimisation routine. WinISI™ 4 will help you get the most from your NIR application, be it feeds, forages, milk, wine or any other natural product.

WinISI™ 4 is available in two versions:

- full license for new customers
- upgrade from any previous WinISI version

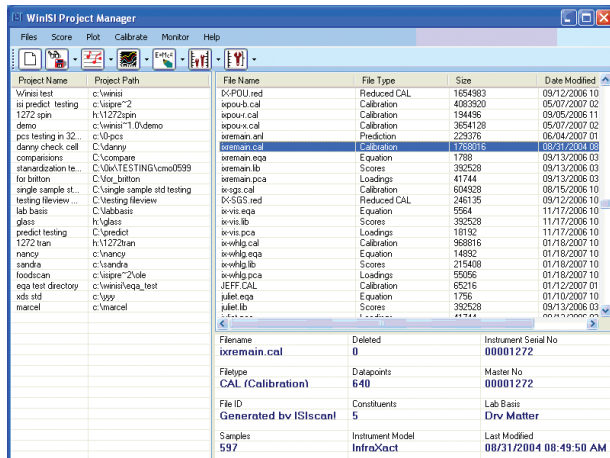
Dedicated Analytical Solutions

FOSS

New Features

Project manager

Re-designed project manager with increased ease of use, which makes file information available directly in the interface. A pop-up menu allows easy access to frequently used functions.



Fast LOCAL

WinISI 4 contains LOCAL, a patented calibration method that uses a sample database for sample specific predictions. By creating a unique calibration for each sample, LOCAL predictions are more accurate and precise than typical global calibrations.

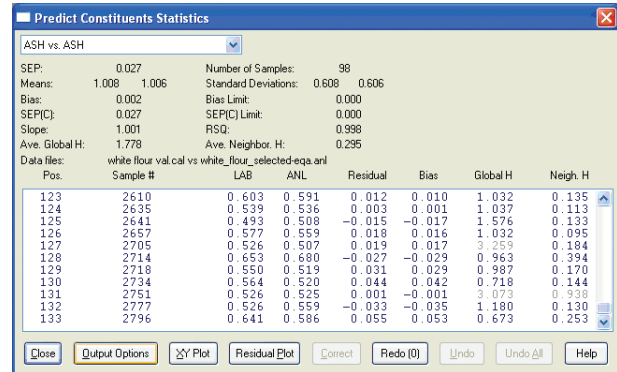
- Fast LOCAL allows for fast optimisation and configuration of the LOCAL database
- Fast LOCAL saves calibration results from all iterations of LOCAL calibration options
- Fast LOCAL automatically evaluates the results from the LOCAL calibrations and indicates the optimal settings
- The optimal settings can then be configured in ISIScan for routine analysis.

Principal Component Standardisation

WinISI™ 4 introduces a new method for stabilising calibrations against instrument, environment and other variations.

This method uses Principal Component Analysis to identify unwanted variation in spectra that relates to differences between instruments or environmental conditions.

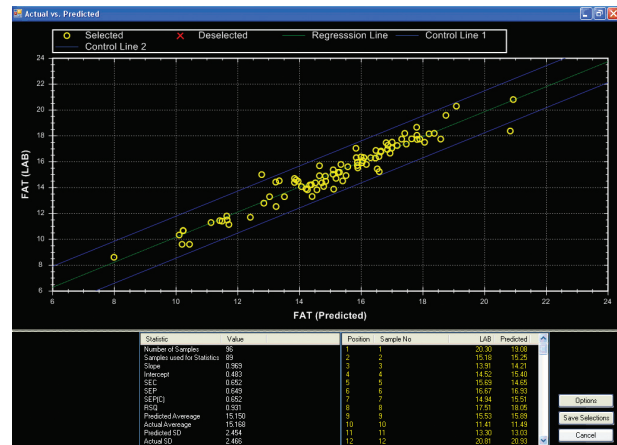
This unwanted variation is then removed from the calibration spectra and unknown spectra, resulting in a much purer and stable signal and thus more accurate predictions.



Discriminant analysis

WinISI™ 4 contains the following algorithms for discriminant analysis:

- Classic ISI PLS2
- Correlation
- Maximum Distance
- Mahalanobis distance
- X residuals



Recommended minimum computer requirements

Pentium processor or equal, 512MB RAM, 5 GB free hard drive space, SVGA or better graphics and colour monitor, Windows® XP.

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