

Probe Software

Customized Training and Consultation for Electron Probe Microanalysis

Probe Software is pleased to provide customized advanced training and consultation for EPMA users in your laboratory using your instrument. This service, which is offered by internationally recognized experts in the field of EPMA, will focus on customer topic tutorials with an emphasis on advanced software features to improve the accuracy and productivity of your lab.

Customized training and consultation for Electron Probe Microanalysis

- Enhance your understanding of EPMA using Probe for EPMA advanced capabilities
- High accuracy quantitative analysis using corrections for matrix effects with emphasis on x-ray absorption and spectral interferences
- High sensitivity trace element characterization with continuum artifact corrections
- Working with beam sensitive materials using Time Dependent Intensity (TDI) features
- Increasing productivity through automation and optimization of analytical conditions
- Evaluating standard materials using cross correlation methods
- Quantifying secondary fluorescence effects from nearby phases using monte-carlo modeling

Our microprobe specialists

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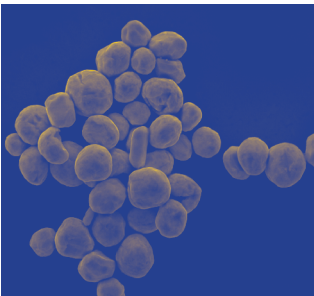
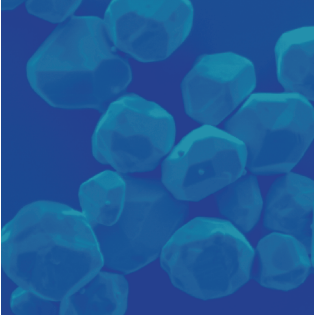
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Probe for EPMA

Powerful and Flexible EPMA Operating System

- Flexible use of sample setups, customized element lists and analytical conditions for a wide array of materials analysis capabilities
- Built in quality control for acquisition and storage of standard and sample data using relational database transactional processing
- PictureSnap stage-indexed images for large area analysis and convenient recording of analysis locations on samples
- Powerful automation capabilities with user-defined control during unassisted EPMA runs



Additional options for Probe for EPMA:

EDS and WDS Spectrum Integration

Fully automatic integrated acquisition of EDS spectra with simultaneous WDS acquisition. Because the complete energy spectrum for all standards and unknowns are automatically stored along with all detector and acquisition parameters, the user can add and remove elements by EDS to be quantified with the WDS elements at any time, including off-line data processing.

Matrix

An ultra fast quantitative correction COM server for creating user customized applications for matrix corrections including 10 different ZAF and phi-rho-z algorithms, 6 different mass absorption coefficient tables (NIST's latest FFAST tables) and also user accessible quantitative spectral interference and MAN and off-peak background correction methods. Easy to use, fully documented and can be called from any COM compliant container such as Excel, Word, Access, Grapher, Surfer, Matlab or Visual Basic.

Remote

A device independent COM server for creating user customized applications for stage, column and spectrometer control and acquisition of your microprobe instrument. Easy to use, fully documented and can be called from any COM compliant container such as Excel, Word, Access, Grapher, Surfer, Matlab or Visual Basic.

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