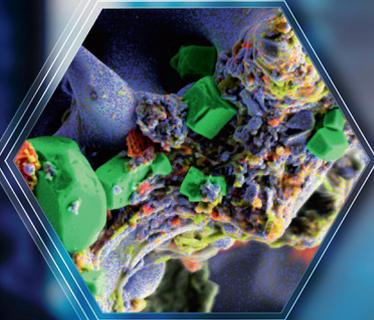




BRUKER TRAINING



EDS

Interactive Online Training

Customized QUANTAX EDS Online Course

To ensure that the essential training needs of users of our scientific instruments are met with the highest quality and flexibility, Bruker Nano GmbH is expanding its application training packages with a customized online version.

The training consists of various modules for guided and independent e-learning. It includes hands-on practical exercises and live measurements on your QUANTAX EDS system, software demonstrations and Q&A sessions. We recommend that at least one trainee has microscope access, and others have network capabilities. The remote training sessions include additional training material and guided videos.

Your Benefits

- Access the full potential of your analytical equipment and produce best results
- Plan training times flexibly and avoid travel restrictions
- Course content and schedule adapted to your specific needs
- Interactive online course conducted by a dedicated applications specialist
- Live, self-paced e-learning and guided hands-on sessions (for up to four participants)
- Increase learning effectiveness with online material accessible for one year after the training

The QUANTAX EDS interactive online training is a customized course conducted by a dedicated specialist. The online training includes all the content of an on-site training while offering higher flexibility, including self-paced e-learning and offline content access. Bruker Nano GmbH provides supporting materials, such as training videos and webinar recordings , digital presentations , and previously acquired measurement data  to support the sessions .

- Configured training schedule according to your experience level, requirements and samples
- Use your own QUANTAX EDS system (if online access granted) or a similar configuration at Bruker demo lab.
- To enhance your training experience, you receive a webcam, pre-measured datasets and customized samples for in-depth practical exercises.
- Course duration: 2 sessions for QUANTAX Compact, 4 sessions for Q200 and Q400, 6 sessions for Q800 (1 session = 4h, including recorded training content and live practical module)
- Choose the main language (English or German) for live sessions, access videos and handouts in both languages as available
- Discussion and demonstration of additional ESPRIT functions on demand
- All participants receive a certificate of training completion.

Presentations for interactive and independent e-learning with Q&A	EDS basics	Physics of electron and matter interaction: Signal generation from electron beam to X-rays emitted from the sample
	System parameters	Introduction of software and hardware control. Signal processing from detection of X-rays to visualization of spectra
	Quantification	A guide through ESPRIT quantification methods and algorithms and how to transform peak intensities to quantitative results
	Mapping	HyperMap acquisition and processing, mapping of overlapping peaks, quantified maps
	Best practises	How to avoid common application mistakes? Follow best practices routines and get the best results from complex samples.
Software demonstrations and demo videos	ESPRIT Overview	A guide trough ESPRIT workspaces, functions, detector and system settings and additional functions
	Qualitative analysis	Element identification, spectrum acquisition and processing
	Quantitative analysis	Evaluation and quantification of EDS spectra, optimization of quantification methods
	Mapping	Acquisition and processing of HyperMaps
Practical sessions*	Spectrum and map acquisition	Choosing conditions that ensure optimal measurement time and data quality
	Quantitative analysis	Quantification method optimization on preloaded and measured spectra, linescans, and HyperMaps
	Customer-specific application questions	Application support for developing specific procedures according customer requirements

*Offline and/or on live EDS system (customer site or Bruker demo lab)

Please contact your local Sales representative for more information about your individual QUANTAX EDS online course.

Electron Microscope Analyzers

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