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Elemental Analyzers

NEX QC MFA marine fuel analyzer

(nex-qc_mfa.php)

NEX QC series affordable EDXRF analyzers

(nex-qc.php)

NEX QC+ QuantEZ EDXRF spectrometer

(nex-qcplusez.php)

NEX DE Advanced EDXRF spectrometer

(nex-de.php)

NEX DE VS Small spot advanced EDXRF spectrometer

(nex-devs.php)

NEX CG Cartesian secondary target EDXRF spectrometer

(nex-cg.php)

NEX OL Process EDXRF analyzer

(nex-ol.php)

NEX XT X-ray transmission process sulfur gauge

(nex-xt.php)

NEX LS Multi-element process coatings analyzer

(nex-ls.php)

About Rigaku (about.php)

Since 1951, Rigaku has been at the forefront of analytical and industrial instrumentation technology. Rigaku and its subsidiaries form a global group focused on life sciences and general purpose analytical instrumentation. With hundreds of major innovations to its credit, Rigaku and its subsidiary companies are world leaders in the fields of small molecule and protein crystallography, X-ray spectrometry and diffraction, X-ray optics, as well as semiconductor metrology. Rigaku employs over 1,400 people globally.

NEX CG - Energy Dispersive X-ray Fluorescence Spectrometer

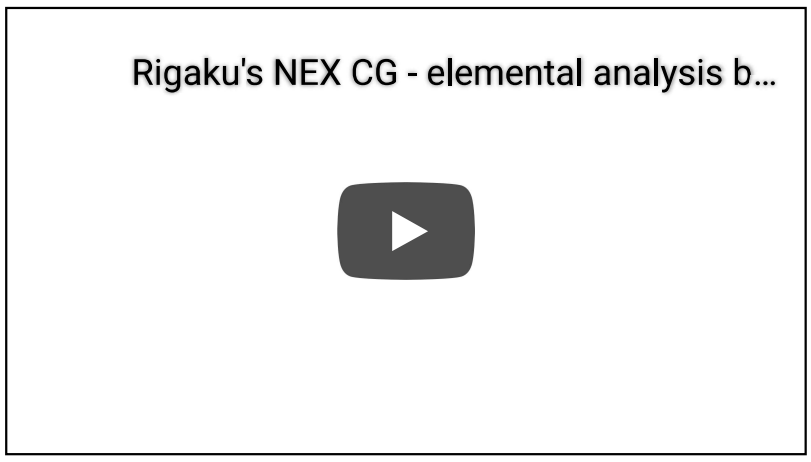
(request.php?id=01)

LEARN MORE

Advanced Cartesian geometry EDXRF for rapid qualitative and quantitative elemental analysis

Rigaku NEX CG delivers rapid qualitative and quantitative determination of major and minor atomic elements in a wide variety of sample types — with minimal standards:

- Analyze $_{11}$Na to $_{92}$U non-destructively
- Solids, liquids, powders and thin films
- Polarized excitation for lower detection limits
- Novel treatment of peak overlap reduces errors
- PPB detection limits for aqueous samples using UltraCarry (ultracarry.php)
- Simplified user interface with EZ Analysis



Polarized cartesian geometry for trace level sensitivity

Unlike conventional EDXRF analyzers, the NEX CG was engineered with a unique close-coupled ***Cartesian Geometry*** (CG) optical kernel that dramatically increases signal-to-noise. By using secondary target excitation, instead of convention direct excitation, sensitivity is further improved. The resulting dramatic reduction in background noise, and simultaneous increase in element peaks, result in a spectrometer capable of routine trace element analysis even in difficult sample types.

Novel software reduces the need for standards

NEX CG is powered by a new qualitative and quantitative analytical software, RPF-SQX, that features ***Rigaku Profile Fitting*** (RPF) technology. The software allows semi-quantitative analysis of almost all sample types without standards — and rigorous quantitative analysis with standards.

Application Reports

Standardless FP

Cartesian Geometry

PPB-level Analysis

Specifications

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Ask for more information about our Rigaku EDXRF elemental analysis products:

LEARN MORE (request.php ?id=01)