

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-
qcusez.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.

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NEX DE VS Energy Dispersive X-ray Fluorescence Spectrometer

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Variable small spot plus camera EDXRF for elemental analysis

As a premium high performance, **SMALL SPOT** benchtop Energy Dispersive X-ray Fluorescence (EDXRF) elemental analyzer, the new Rigaku NEX DE VS delivers wide elemental coverage with a easy-to-learn Windows®-based QuantEZ software. Non-destructively analyze from sodium (Na) through uranium (U) in almost any matrix, from solids and alloys to powders, liquids, slurries and RoHS materials.

Multi-position, small spot & bulk elemental analysis

New Rigaku NEX DE VS elemental analyzer (EDXRF) offers multi-position bulk analysis in addition to a large single position sample stage, with three analysis spot size options — 1 mm, 3 mm and 10 mm — that are easily changeable by the system's automatic collimators. A high resolution camera and LED lighting system allows a sample's image to be recorded via the Windows software interface.



Features:

- Analyze ¹¹Na to ⁹²U non-destructively
- Powerful QuantEZ Windows®-based software
- High resolution camera
- 1, 3 or 10 mm analysis spot size
- Solids, liquids, alloys, powders and films
- 60kV X-ray tube for wide elemental coverage
- FAST SDD® detector for superior data
- Six automated tube filters
- Unmatched performance-to-price ratio

XRF elemental analysis in the field, plant or lab

Especially designed and engineered for heavy industrial use, whether on the plant floor or in remote field environments, the superior analytical power, flexibility and ease-of-use of the NEX DE adds to its broad appeal for an ever expanding range of applications, including exploration, research, bulk RoHS inspection, and education, as well as industrial and production monitoring applications. Whether the need is basic quality control (QC) or its more sophisticated variants - such as analytical quality control (AQC), quality assurance (QA) or statistical process control like Six Sigma - the NEX DE is the reliable high performance choice for routine elemental analysis by XRF.

XRF with 60kV X-ray tube and SDD detector

The 60kV X-ray tube and Peltier cooled FAST SDD® Silicon Drift Detector deliver exceptional short-term repeatability and long-term reproducibility with excellent element peak resolution. This high voltage capability (60 kV), along with high emission current and multiple automated X-ray tube filters, provides a wide range of XRF applications versatility and low limits-of-detection (LOD).

XRF options: autosampler, helium and standardless FP Options include fundamental parameters, a variety of automatic sample changers, sample spinner and helium purge for enhanced light element sensitivity.

*FAST SDD® is a registered trademark of Amptek, Inc.

Specifications

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