

XRF/ XRD Applications:

- XRF/XRD analytical equipment:

We have a range of ergonomically designed handheld and field portable extremely versatile XRF analytical instruments. All equipment is supplied with end user application specific software which spans the elemental range from Mg to U in the ppm to 99.99% range.

Bench top and field portable XRD equipment include the Terra, voted at the 2009 Pitcon as the most outstanding new product. Many Applications in education, public health, forensics, pharmaceuticals, mining/ore, cement & Limestone and Petrochemical.

- Automatic fusion machines

Katanax fully automated, electric oven fusion machines prepare glass disc or solution, two models, K1 one sample at a time, 57 samples per hour or the K2 , five samples , 20-25 samples per hour.

- Rental of hand held XRF equipment

Sietronics now able to offer RENTAL and lease to buy options for the Innov-X Handheld (Alpha Series) and Field Portable (X-50 Series) XRF's

- Siroquant software

Siroquant was developed by Sietronics in conjunction with the CSIRO, it is a unique software package used for the quantification of crystalline compounds. Importantly Siroquant does not require specialist crystallographic knowledge to obtain reliable mineral/phase analysis. Siroquant is currently being used by many industrial, scientific and academic organisations around the world. The system is equally useful for industrial and research applications. A comprehensive database contains over 1800 common minerals and compounds.

- XRF supplies.

We supply a range of ancillary equipment and supplies including grinders and mills, presses, die sets, XRF sample cups, thin films, fusion machines including the Katanax K2 and Accessories.

- Certified reference materials

We have extensive knowledge of certified reference materials let us know your requirements, and we're happy to offer relevant standards.

- XRD laboratory service

Sietronics is proud to offer an X-ray Diffraction service for the identification of minerals and chemical compounds in rock ores, slurries, sediments, filters, etc. Our analytical laboratory handles thousands of samples which have been sent in from all over Australia and the world.

XRD has a wide range of applications in environmental, mining, pharmaceutical fields. Positive identification of minerals and compounds in these and many other fields are very important. X-ray Diffraction aids in:

Mine Site cleanups- Abandoned Industrial Sites- Wood Treatment Plants- Water Treatment, Power Plants and Sewage Plants-

Dust Deposits-Exploration and drilling programs,- Cements – Analysis of Silicon Carbides

- Radiation Monitors

Easy to use , reliable detection of alpha,beta,gamma and X Rays

- Miscellaneous equipment

Balances, Ultrasonic baths, water baths, ovens, hotplates, stirrers....

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