The world of benchtop X-ray

EDXRF: NEX CG
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. As the highest performance general purpose EDXRF on the market, the system is capable of ASTM C114 certification for lower capacity cement plants or as a high performance backup unit for larger operations.

XRD: MiniFlex
The new 5th generation MiniFlex is a general purpose benchtop X-ray diffractometer (XRD) that can perform qualitative and quantitative analysis of polycrystalline materials like cement and feedstocks. Operating at 600 watts (X-ray tube), the Rigaku MiniFlex 600 is twice as powerful as other benchtop models, enabling faster analysis and improved overall throughput. It is ideal for free lime analysis or for the quantification of anhydrite ($CaSO_4$) and much more.

WDXRF: Supermini
As the world's only high-power benchtop sequential wavelength dispersive X-ray fluorescence (WDXRF) spectrometer for elemental analysis of fluorine (F) through uranium (U) of almost any material, the Rigaku Supermini uniquely delivers low cost of ownership (COA) with high resolution and lower limits of detection (LLD). With no need for cooling water, Supermini is a cost-effective, high-value solution for ASTM C114 certification of finished cement by WDXRF spectroscopy.

EDXRF: NEX QC
A premium low cost benchtop energy dispersive X-ray fluorescence (EDXRF) analyzer, the Rigaku NEX QC combines a semiconductor detector with a 50 kV X-ray tube to afford the best performance value available in an inexpensive backup XRF instrument for the quantification of major oxide compounds. The NEX QC is the ideal upgrade and/or replacement for previous generation proportional counter based analyzers.

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