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Energy Dispersive X Ray Fluorescence or EDXRF is typically used for non destructive elemental analysis in solids, liquids, powders and thin films. Depending on the analysis required, you can spend large amounts for a high sensitivity qualitative and quantitative Energy Dispersive X Ray Fluorescence or you can opt for a lower cost EDXRF if you only need to use it for quality control purposes.

Energy Dispersive X Ray Fluorescence is considered to be fairly low cost and inexpensive compared to other techniques.

High performance Energy Dispersive X Ray Fluorescence spectrometer can be used to analyze samples containing elements ranging from Na to U in the periodic table without distortion. The advanced versions of Energy Dispersive X Ray Fluorescence spectrometer has polarised Cartesian geometry for trace level sensitivity which dramatically increase signal to noise as they are engineered with a close-coupled Cartesian Geometry optical kernel.

The more expensive Energy Dispersive X Ray Fluorescence uses secondary target excitation instead of convention direct excitation to further improve sensitivity. The combination of extreme reduction in background noise, increase of simultaneous element peaks means that trace elements in difficult sample sizes can be routinely analysed by the Energy Dispersive X Ray Fluorescence spectrometer.

Lower cost Energy Dispersive X Ray Fluorescence spectrometers are normally easier to use with its easy to navigate touch screen interface (similar to modern smart phone style icons) in a reliable and robust package designed for industrial lines for quality control elemental analysis purposes.

Some Energy Dispersive X Ray Fluorescence may have built in printers for convenience, enhanced sensitivity from the use of multiple automated tube filters, semi conductor detector for accurate data quality feedback and still able to analyse Na to U elements non destructively.

Energy Dispersive X Ray Fluorescence spectrometers could be used alongside specialist software to quantify elements in completely unknown samples which automatically estimates the concentration of unspecified elements and provide appropriate corrections. Or the specialist software, alongside Energy Dispersive X Ray Fluorescence, can be used for rigorous quantitative analysis.

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[Julia Roger](#) - About Author:

a [X ray fluorescence](#) has to be as bright and eye catching as possible if it is to really stand out from the crowd. Scimed-xrf.co.uk has the most sought after a [EDXRF](#)! products which are available on the market.

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