


Zetium  
Elemental excellence

Building on years of experience and success with our extensive analytical X-ray portfolio, Zetium represents a revolutionary step in materials analysis. The platform embodies SumXcore technology – an integration of [WDXRF \(/en/products/technology/x-ray-fluorescence/wavelength-dispersive-x-ray-flourescence/\)](/en/products/technology/x-ray-fluorescence/wavelength-dispersive-x-ray-flourescence/), [EDXRF \(/en/products/technology/x-ray-fluorescence/energy-dispersive-x-ray-fluorescence/\)](/en/products/technology/x-ray-fluorescence/energy-dispersive-x-ray-fluorescence/) and XRD. This unique combination of possibilities puts Zetium in a class of its own with respect to analytical power, speed and task flexibility in multiple environments.

The Zetium is equipped with the latest version of our SuperQ software, including our Virtual Analyst that enables even non-expert users to easily set up applications. A wide range of additional software modules is available for specific analysis, such as [standardless analysis \(/en/products/category/software/x-ray-fluorescence-software/omnian/\)](/en/products/category/software/x-ray-fluorescence-software/omnian/), [trace elements in geology \(/en/products/category/software/x-ray-fluorescence-software/pro-trace/\)](/en/products/category/software/x-ray-fluorescence-software/pro-trace/), [matrix corrections in oils \(/en/products/category/software/x-ray-fluorescence-software/oil-trace/\)](/en/products/category/software/x-ray-fluorescence-software/oil-trace/) and [analysis of thin films \(/en/products/category/software/x-ray-fluorescence-software/stratos/\)](/en/products/category/software/x-ray-fluorescence-software/stratos/).

Dedicated industry editions of the Zetium XRF spectrometer are offered for specific industries: [cement \(/en/products/product-range/zetium/the-cement-edition-of-zetium/\)](/en/products/product-range/zetium/the-cement-edition-of-zetium/), [minerals \(/en/products/product-range/zetium/the-minerals-edition-of-zetium/\)](/en/products/product-range/zetium/the-minerals-edition-of-zetium/), [metals \(/en/products/product-range/zetium/the-metals-edition-of-zetium/\)](/en/products/product-range/zetium/the-metals-edition-of-zetium/), [petrochemicals \(/en/products/product-range/zetium/the-petro-edition-of-zetium/\)](/en/products/product-range/zetium/the-petro-edition-of-zetium/) and [polymers & plastics \(/en/products/product-range/zetium/the-polymers-edition-of-zetium/\)](/en/products/product-range/zetium/the-polymers-edition-of-zetium/). The [Ultimate edition \(/en/products/product-range/zetium/the-ultimate-edition-of-zetium/\)](/en/products/product-range/zetium/the-ultimate-edition-of-zetium/) configuration meets the most demanding requirements regardless of industry. The modular design of the Zetium platform allows for task-oriented performance enhancements through various packages. Malvern Panalytical offers a range of integration solutions; from a simple interface with sample preparation equipment, to full automation projects integrating several analytical instruments in a single container laboratory.

Request a quote [🗨 \(/en/products/request-a-quote?product=53366\)](/en/products/request-a-quote?product=53366)

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Overview

Features

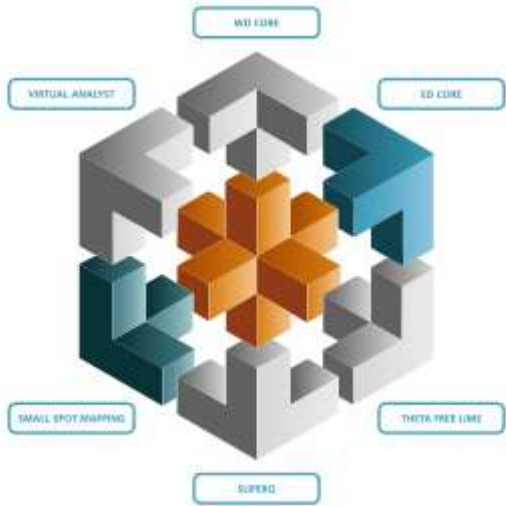
Industry editions

Accessories

Options

Elemental innovation  
Continuous development, improved customer experience

Scientifically-sound, benefits-driven innovations achieved with SumXcore technology - an integration of WDXRF, EDXRF and XRD - incorporated into the Zetium platform provide ultimate flexibility, performance and versatility and are on track to revolutionize the world of XRF.



Elemental intelligence  
Advanced analytical hardware requires advanced analytical software and expertise

A quantum step for our renowned SuperQ software gives access to new technology combinations and analytical possibilities. Starring the Virtual Analyst, it enhances the user experience in setting up and operating the system.



## Elemental support

### Transparent and reliable support no matter the location

From service to expertise, training to laboratory analysis the user is supported from every angle. With a worldwide network of experienced engineers, coupled with the industry's largest pool of application scientists, Malvern Panalytical is always on hand to help you meet your analytical requirements.



## Elemental technology

### 60 years of experience and heritage - the ideal starting point

Zetium is the next in a generation of remarkably successful WDXRF spectrometers, including the Axios, the MagiX and the PW2400. This heritage of proven technology has been refined and brought forward providing the foundation to the Zetium platform.



Zetium - Trace element analysis of geological materials using Zetium and Pro-Trace

Application Note

Standardless analysis of various sample types using Zetium spectrometers using Omnian

Application Note

Determination of Silver and Volatile Elements in Metal Concentrates Samples Using Lithium Borate Fusion Followed by XRF Analysis

Application Note


Fast small spot elemental mapping of defects in polymeric samples




Application Note

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