



DESIGNED, ENGINEERED AND PRODUCED IN THE USA

Cianflone Scientific, founded in 1984 by Robert Cianflone, played a significant role in developing the technology to provide portable elemental analysis capabilities using WDXRF technology. Since 1984, Cianflone products have provided precise on-site chemical analysis, coating thickness and sample preparation measurements across many industries including steel, aluminum, automotive, aerospace, mining, and petroleum.

Cianflone is located in Pittsburgh, Pennsylvania, and serves customers worldwide, supported by international distributors in Europe, Canada, Asia-Pacific, South America, and South Africa.

In 2019, Cianflone was acquired by KTC Instruments LLC and is now a member of a family of testing and measurement companies which includes KING Tester Corporation www.KingTester.com the largest worldwide manufacturer of portable Brinell hardness testers, and Tensitron www.tensitron.com the world's leading manufacturer of portable tension meters.



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 **CIANFLONE
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A KTC Instruments Company



PROVIDING PRECISION MEASUREMENT SOLUTIONS WORLDWIDE

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TUBING & BAR STOCK

Knowing the elemental composition of metals helps manufacturers and consumers make better decisions. By using PortaSpec® WDXRF analyzers, metal companies and users can eliminate uncertainty and reduce risk, while enhancing consistency and ensuring quality is maintained at desired levels.



MINING & MINERALS

PortaSpec® WDXRF analyzers help reduce waste and improve the consistency of material delivered to customers. PortaSpec® quickly and precisely determines the presence and quantity of elements in samples, which then helps mining and mineral companies determine the appropriate value of the material and the potential uses.



PETROLEUM

The elements found in the output-stream of refined petroleum affect the performance characteristics of the product and bi-products. PortaSpec® analyzers help producers and users determine and ensure consistent composition and value.



HIGH- & LOW-ALLOY STEEL

Performance of metal alloys are highly dependent upon the elemental composition of the alloy. Precision in determining the composition by using PortaSpec® technology can determine its value and identify contaminants that could have adverse effects. Common applications include the addition of rust preventative elements into steel alloys and strengthening characteristics added to aluminum.



SCRAP METALS

The value of recycled products depends on the composition of products that are being recycled. Creating high-quality specimens allows users to identify the presence of distinct elements which have varied applications. Cianflone's PortaMelt Electric Arc Button Remelt Furnace provides a high-quality specimen for use in spectrographic elemental analysis.



GLASS

Measuring elements in the sand used to make glass helps manufacturers assure quality and consistency. Contaminants to glass can have negative consequences and knowing the elements by using a PortaSpec® analyzer provides manufacturers opportunities to improve and maintain production process consistency and final product performance.



SYNTHETIC & NATURAL FIBERS

When natural fibers are combined to create products such as paper, additional performance characteristics can be achieved by using additives that are layered onto the fibers, or, in the case of nano applications, into the fiber's atomic structure. As more additives are added, the ability to detect the presence of elements at an atomic level using PortaSpec® technology is integral to the success and performance of the product.



BUILDING MATERIALS

Materials such as cement, roofing, and curtain walls are vital components in the building industry. Strength, consistency, performance and durability are the result of materials that make up each product. Engineers rely on PortaSpec® WDXRF analyzers to quickly ensure quality control standards are met.

Companies worldwide depend on Cianflone Scientific to provide efficient and effective portable elemental analysis, coating thickness measurements and sample preparation.

From airplanes to auto and household appliances to roofing, Cianflone Scientific helps ensure the highest quality performance, longevity and outstanding appearance.

Behind every Cianflone product is the pride and expertise of our people.

