



MFE Inspection Solutions

Elemental Analyzers

Equipment Catalog

Providing 30 years of equipment rentals, sales,
repairs, calibrations & training



MFE

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Valued Customers



Who is MFE Inspection Solutions?

Welcome to MFE. Our story isn't just a list of products and services, it's about a team driven to innovate in non-destructive testing (NDT), remote visual inspection (RVI), environmental monitoring (ENV), and the use of unmanned robotic systems. We're the combination of MFE Enterprises, MFE Inspection Solutions, and NDT Electronics—a blend that's pushing the industry forward.

Starting Point: MFE Enterprises

(Founded in 1994)

It all started with MFE Enterprises. Founded by Bill Duke and his family, we hit the ground running with Magnetic Flux Leakage (MFL) technology for inspecting storage tanks and pipelines. With tools like the 65 lb Mark IV Tank Floor Scanner and the 61 lb MFE Edge, we've made inspections faster, more accurate, and cost-effective. This foundation of innovation and quality set the pace for everything that followed.

Expansion: MFE Inspection Solutions

(Founded in 2009)

Building on MFE Enterprises' legacy, we launched MFE Inspection Solutions in 2009. Starting in a modest office in Texas, our ambition was global. MFE's focus has been on delivering the best tools and technology, supported by dependable customer service. With 14 offices in five countries, we ensure we're always where our customers need us.

Broadening Our Scope: NDT Electronics

(Founded in 1981, Joined in 2016)

The acquisition of NDT Electronics in 2016 expanded our capabilities. Founded in 1981 by William Ganch, Jr., NDT Electronics brought decades of expertise in calibration and repair services, as well as a catalog of NDT equipment and supplies. This addition has allowed us to offer a broader range of services and maintain our commitment to quality and value.

Forward Together

Today, MFE stands as a unified force in the inspection industry, dedicated to innovation, excellence, and serving our customers. Our combined experience and expertise mean we offer a comprehensive range of products and services designed to meet your needs.

We're committed to your success and pride ourselves on offering solutions that enhance your projects with precision and safety. If you have questions or need support, our team is ready to help.

Thank you for choosing MFE. We're excited to continue this journey with you, providing the reliable, professional service you expect and deserve.

Niton XL5

Overview:

The Thermo Fisher Scientific Niton XL5 is an advanced handheld X-ray fluorescence (XRF) analyzer designed for rapid and accurate elemental analysis in various industrial and environmental applications. This lightweight and portable device provides high-performance analysis, making it essential for professionals in industries such as mining, metal recycling, and environmental testing. The Niton XL5 offers robust performance, user-friendly operation, and reliable data for effective material identification and quality control.

Features

High-Precision Analysis: Delivers fast and accurate elemental analysis, ensuring reliable data for material identification and quality control.

Lightweight and Portable: Designed for easy transport and handling, allowing for convenient use in the field or on-site.

Wide Measurement Range: Capable of analyzing a broad range of elements, making it suitable for diverse applications.

User-Friendly Interface: Features a large, easy-to-read display and intuitive controls, making it accessible for users with varying levels of experience.

Real-Time Results: Provides immediate feedback on elemental composition, enabling prompt decision-making and efficient workflow.

Durable Construction: Built to withstand harsh industrial environments with a rugged design that resists impacts, dust, and moisture.

Data Logging and Reporting: Capable of storing extensive data for post-mission analysis and reporting, supporting compliance and quality assurance efforts.

Rechargeable Battery: Equipped with a long-lasting rechargeable battery, ensuring extended operation and reducing downtime.

Advanced Software Integration: Compatible with Thermo Fisher Scientific's software for detailed data processing, analysis, and reporting.



FOR RENT

Niton

XL5 Plus

Overview:

The Thermo Scientific Niton XL5 Plus is an advanced handheld X-ray fluorescence (XRF) analyzer designed for rapid, accurate elemental analysis in various industrial applications. It combines powerful performance with a user-friendly interface and robust design, making it ideal for industries such as mining, metal recycling, and environmental testing.

Features

- **High-Precision Analysis:** Delivers fast and accurate elemental detection.
- **Lightweight and Portable:** Compact design for easy field use.
- **Enhanced Sensitivity:** Superior detection limits for a broad range of elements.
- **User-Friendly Interface:** Intuitive controls with a clear display.
- **Durable Construction:** Built to withstand harsh conditions.
- **Comprehensive Software Integration:** Seamlessly compatible with Thermo Fisher's data management and analysis software.
- **Advanced Safety Features:** Includes robust safety measures for operator protection.
- **Quick Results:** Provides immediate and reliable readings.
- **Extended Battery Life:** Ensures long operational periods in the field.
- **Data Logging:** Extensive storage for data analysis and reporting.
- **Ergonomic Design:** Comfortable for prolonged use.
- **Versatile Applications:** Suitable for a wide range of industrial materials and elements.



FOR SALE

Niton XL2 800

Overview:

The Thermo Scientific Niton XL2 800 is a reliable handheld X-ray fluorescence (XRF) analyzer designed for accurate and efficient elemental analysis. It offers a robust and user-friendly solution for various industrial applications such as mining, metal recycling, and environmental testing, ensuring high performance in challenging conditions.

Features

- **Accurate Analysis:** Delivers precise elemental detection and measurement.
- **Portable Design:** Lightweight and easy to use in the field.
- **Durable Construction:** Built to withstand tough industrial environments.
- **User-Friendly Interface:** Simple controls and a clear display for easy operation.
- **Comprehensive Software Integration:** Compatible with Thermo Fisher's data management and analysis tools.
- **Safety Features:** Includes necessary safety measures for operator protection.
- **Fast Results:** Provides quick and reliable readings.
- **Extended Battery Life:** Long-lasting battery for extended field use.
- **Advanced Calibration:** Ensures consistent accuracy and reliability.
- **Data Logging:** Stores extensive data for post-analysis and reporting.
- **Versatile Applications:** Suitable for a wide range of materials and elements.
- **Ergonomic Design:** Comfortable to hold and operate for extended periods.



FOR SALE

Niton XL3t 800

Overview:

The Thermo Fisher Scientific Niton XL3t 800 is a high-performance handheld X-ray fluorescence (XRF) analyzer designed for fast and precise elemental analysis in various industrial and environmental applications. This robust device offers advanced capabilities, making it essential for professionals in industries such as mining, metal recycling, and environmental testing. The Niton XL3t 800 combines durable construction with user-friendly features to deliver reliable and efficient material identification and

Features

High-Precision Analysis: Provides accurate and rapid elemental analysis, ensuring reliable data for material identification and quality control.

Portable Design: Lightweight and ergonomic, designed for easy transport and handling, allowing for convenient use in the field or on-site.

Comprehensive Element Detection: Capable of analyzing a wide range of elements, making it suitable for diverse applications.

User-Friendly Interface: Features a large, easy-to-read color display and intuitive controls, making it accessible for users with varying levels of experience.

Real-Time Results: Delivers immediate feedback on elemental composition, enabling prompt decision-making and efficient workflow.

Durable Construction: Built to withstand harsh industrial environments with a rugged design that resists impacts, dust, and moisture.

Data Logging and Reporting: Capable of storing extensive data for post-mission analysis and reporting, supporting compliance and quality assurance efforts.

Rechargeable Battery: Equipped with a long-lasting rechargeable battery, ensuring extended operation and reducing downtime.



FOR RENT

Niton XL3t 980 GOLDD+

Overview:

The Thermo Fisher Scientific Niton XL3t 980 GOLDD+ is an advanced handheld X-ray fluorescence (XRF) analyzer designed for ultra-precise elemental analysis across various industrial and environmental applications. This high-performance device offers enhanced detection capabilities and speed, making it essential for professionals in industries such as mining, metal recycling, and environmental testing. The Niton XL3t 980 GOLDD+ combines robust performance with user-friendly features to deliver reliable and efficient material identification and quality control.

Features

High-Precision Analysis: Utilizes advanced GOLDD+ technology for rapid and accurate elemental analysis, ensuring reliable data for material identification and quality control.

Enhanced Sensitivity: Provides superior sensitivity and detection limits for a broad range of elements, making it suitable for diverse applications.

Portable Design: Lightweight and ergonomic, designed for easy transport and handling, allowing for convenient use in the field or on-site.

User-Friendly Interface: Features a large, easy-to-read color display and intuitive controls, making it accessible for users with varying levels of experience.

Real-Time Results: Delivers immediate feedback on elemental composition, enabling prompt decision-making and efficient workflow.

Durable Construction: Built to withstand harsh industrial environments with a rugged design that resists impacts, dust, and moisture.

Data Logging and Reporting: Capable of storing extensive data for post-mission analysis and reporting, supporting compliance and quality assurance efforts.

Rechargeable Battery: Equipped with a long-lasting rechargeable battery, ensuring extended operation and reducing downtime.



FOR RENT

Niton

Apollo LIBS

Overview:

The Thermo Scientific Niton Apollo Handheld LIBS Analyzer is designed for rapid, accurate elemental analysis, particularly for light elements like aluminum and magnesium. Leveraging Laser Induced Breakdown Spectroscopy (LIBS), it provides precise, real-time results, making it ideal for industries such as metal recycling, manufacturing, and quality control.

Features

- **High-Precision Analysis:** Accurate detection of light elements, including aluminum and magnesium.
- **Portable Design:** Compact and lightweight for easy field use.
- **Fast Results:** Immediate analysis and feedback.
- **Durable Construction:** Built to withstand tough industrial environments.
- **User-Friendly Interface:** Intuitive controls with a clear display.
- **Data Management:** Integrated software for data logging and analysis.
- **Safety Features:** Robust measures to protect the operator.
- **Battery Life:** Long-lasting battery for extended operational use.
- **Ergonomic Design:** Comfortable for prolonged usage.
- **Versatile Applications:** Suitable for various industrial materials and quality control applications.



FOR SALE & RENT

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