

thermoscientific

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Solutions for the Industrial and Safety Markets



ThermoFisher
SCIENTIFIC

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Your business makes the world a better place. You increase food quality, ensure product integrity and strengthen public safety. In a highly competitive global marketplace, however, you face new internal and external pressures. Stringent regulatory mandates. Heightened consumer expectations. Escalated protection demands.

You need a partner with the stability and reliability to integrate proven solutions with your business complexities. We've been at the forefront—and by your side—for over fifty years. We identify. We verify. We simplify. From the line to the field, we develop and deliver world-class Thermo Scientific™ products and services.

We enable our customers to make the world healthier, cleaner and safer. That's why thousands of worldwide partners agree: Thermo Fisher Scientific is the company you keep.

Our innovative portfolio for Industrial and Safety Applications covers:

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And much more...



Threat Detection

Protection in the palm of your hand

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The difference between action and reaction in a high-security situation is the speed and accuracy of your information.

When you need to rapidly confirm a threat or identify field samples, Thermo Scientific handheld chemical analyzers and radiation-detection instruments provide comprehensive, real-time monitoring, early warning, and reliable information in the palm of your hand, in your workplace and throughout your community.

Around the world, hazmat responders, police organizations, and the military rely on our portable instruments to maintain high safety standards. These rugged, customized instruments bring powerful analysis directly to the hazard zone.

- Narcotics Identification
- Explosives Identification
- Hazardous Materials Identification
- Chemical Weapons Identification
- Portable Radiation Detection
- Integrated Radiation Monitoring Solutions
- Radiation Contamination and Environmental Monitoring
- Radiation Detection Portals and Monitors
- Portable Ambient Analyzers
- Toxic Vapor Analyzers



Food Safety and Quality

Protecting your customers and your brand

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In a rapidly changing regulatory environment, food quality and safety are the two most challenging issues you face. Whether you're looking for contaminants or developing a new production process, ensuring the safety and quality of the world's food supply is critical.

Our innovative Thermo Scientific products, along with a portfolio of quality assurance solutions and educational resources, enable you to focus on delivering packaged food products that meet the highest standards of quality, safety, and authenticity expected the world over.

Protecting your customer is the best way to protect your brand equity. Thermo Scientific product inspection systems provide the performance and service you need to maintain your product quality and safety. Whether it's the consistent accuracy of our checkweighers, the sensitivity of our food metal detectors, the precision of our online non-contact thickness gauges assuring container integrity, or the durable performance of our food X-ray systems—we are committed to helping you eliminate defects and maximize your production efficiency.

- Checkweighers
- Metal Detectors
- X-Ray Detection and Inspection Systems
- Online Non-contact Thickness Gauges



Purity



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Around the world, environmental threats continue to evolve, along with myriad compliance standards and regulations. To ensure strict compliance and reporting, with minimal impact on operational efficiency and profitability, we provide a range of analytical solutions designed around the unique requirements of your industry.

Our portfolio of environmental analysis technologies is designed to meet today's requirements, and tomorrow's as well, offering reliable, accurate and precise results that can make compliance simpler and help minimize regulatory risks.

Our leading-edge environmental instruments allow real-time and continuous monitoring to ensure regulatory compliance 24/7.

- **Process Analytical Systems for Environmental Monitoring**
- **Air Quality Analysis**
- **Source Gas (Emissions) Monitoring**
- **Ambient Gas Monitoring**
- **Ambient Particulate Monitoring**
- **Radiation Monitoring**



Responsibility



Mining, Minerals, Coal, and Cement

Enabling agility and profitability

Thermo Scientific mining and mineral solutions help you improve efficiency and quality—from exploration through processing—in order to ensure profitability. From mineral analysis to complete bulk weighing, monitoring, and sampling systems, to informatics, you'll find the latest equipment and technology for your mineral and metals, coal, cement, or oil and gas exploration and mining operations.

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- Handheld XRF Analyzers for Mine Exploration and Mineral Analysis
- Bulk Weighing, Monitoring and Sampling Equipment
- Slurry Sampling and On-line Analysis Equipment
- Personal Dust Monitors
- Cement and Coal Analysis and Production Equipment Utilizing PGNA and PFTNA Technology



Reliability



Metals Analysis

Increasing product integrity

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Metal manufacturing and processing requires precision at the elemental level. Thermo Scientific metals analysis technology helps avoid misidentification of metal—which hurts your brand and your bottom line. It also can lead to potentially catastrophic equipment failures, a well-known issue in the refining and aerospace industries.

Whether you need tools for determining alloy ID, sorting scrap metal, managing thickness and coating weight measurement of in-process flat metals, or controlling the entire process, our scientists and engineers understand your challenges and are committed to providing total solutions.

- Handheld XRF Analyzers for Metal and Alloy Identification
- Portable XRF Analyzers for Precious Metal Identification
- Non-contact Thickness Gauges for Cold Rolling Mills and Hot Strip Mills
- Non-contact Laser TX Optical Thickness Gauges
- Non-contact Coating Weight Gauges
- Process Monitoring Products



Reliability



Other Industrial Applications and Markets We Serve

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Thermo Scientific products are supported by our extensive network of qualified application engineers, who work closely with you to understand and evaluate your specific production parameters. Our experts help you choose the right instruments and equipment for your application, then keep them performing to specifications. Their goal is to optimize your process today, and also lay the foundation for easy upgrades in the future.

Product Support

Our comprehensive service offering is based on corrective and preventive maintenance that reduces downtime, and also helps you improve your process.

Depending on the product, we offer multiple levels of support agreements, with varying degrees of access and response.

Education and Training

We offer multiple training options to help you increase productivity by optimizing the use of your instruments and expanding the skills of your operators.

Professional Services

Our certified engineers are available to review your process, perform benefit analysis and recommend improvements to help you meet your Best Practice goals.

We will develop an implementation plan that integrates all Thermo Scientific systems, as well as third-party components.

