

ERIEZ



CEMENT INDUSTRY

EQUIPMENT FOR THE CEMENT MANUFACTURING PROCESS



ERIEZ
GLOBAL LEADER IN SEPARATION TECHNOLOGIES

About Eriez

Established in 1942, Eriez stands as a pioneering force in separation technologies, embodying a truly global presence.

With 12 wholly owned subsidiaries across the globe, we proudly design, manufacture, and support our magnetic separation, flotation, metal detection, and material handling equipment on an international scale.

Our dedicated team of knowledgeable and experienced sales engineers collaborates closely with customers, understanding their unique challenges to deliver dependable, high-performance equipment, systems, and solutions.

Whether clients require our standard equipment or custom solutions tailored to their precise specifications, Eriez delivers.

Drawing from more than 80 years of experience across diverse industries, including cement manufacturing, mining and minerals processing, food processing and packaging, aggregates, metals recycling, and many other sectors, Eriez leverages its extensive experience to design and supply products that elevate productivity, efficiency, and product purity.

Eriez remains steadfast in its commitment to setting the global standard for excellence in key technologies, driving innovation and reliability across industries worldwide.

Our Capabilities



Solutions for the Cement Industry

With more than 80 years of industry experience, Eriez understands the risks associated with tramp metal contamination in cement processing applications. Magnetic separation and metal detection solutions from Eriez prevent tramp metals from tearing conveyor belts and damaging crushers, grinding mills, and other expensive equipment.

In addition to critical equipment protection, cement processors gain the following when investing in Eriez equipment:

- Enhanced safety and equipment protection
- Improved product quality
- Increased operational efficiency
- Increased productivity and uptime

Magnetic Separation

Our large magnetic separators, such as suspended (overband) magnets and drum separators, are designed to remove tramp metal and continuously protect equipment.



Metal Detection

Rugged and reliable metal detection technology from Eriez provides automatic detection of dangerous ferrous and nonferrous tramp metal contamination from conveyed materials.



Material Handling

Eriez vibratory feeders and conveyors are capable of moving high volumes of raw materials while providing precise metering.





Magnetic Separation Equipment

Eriez specializes in providing magnetic separation solutions to enhance the efficiency, safety, and quality of your production processes. Our magnetic separators are designed to continuously and automatically protect your equipment and ensure product quality for years to come.

Suspended Electromagnets

Suspended Electromagnets remove tramp metal from conveyed materials. These overband magnets are typically mounted over a conveyor belt to remove large pieces of tramp metal that represent a hazard to downstream crushers, mills, pulverizers and grinders. Suspended Electromagnets also remove sharp metal that can damage or tear expensive conveyor belts, especially at transfer points, and can be turned off for cleaning and service.



Suspended Permanent Magnets

Suspended Permanent Magnets are an effective method for removing ferrous tramp metal from material being conveyed on fast-moving belts. These overband magnets are ideal for separation wet or dry applications, for fine or coarse materials in large or small tonnages. Offering uninterrupted magnetic protection, they provide processing machinery safety from tramp iron and assure high product quality.



Magnetic Pulleys

Widely used as head pulleys in belt conveyors, Magnetic Pulleys provide automatic removal of unwanted iron from materials conveyed on belts to prevent machinery damage and product contamination.



Permanent Magnetic Drum Separators

Eriez' Drum Separators remove both large and small pieces of iron contaminants from material processing lines. Powerful permanent magnets enable more efficient separation performance for a broader range of applications than ever before. They provide years of trouble-free automatic removal of tramp iron from heavy flows of bulk materials, including large and highly abrasive materials.





Metal Detection

Eriez designs, develops, manufactures, and markets industrial metal detection equipment with a focus on high sensitivities and reduced false trips. The best metal detector is the one that's correctly calibrated to your specific application and product – Eriez has spent considerable time designing our equipment to be the easiest to use and most dependable metal detector in the industry.

1200 Series Metal Detector

Detect both ferrous and nonferrous tramp metal products even when conveyed on steel cable belts. Designed for outdoor use, there is no periodic maintenance, balancing, or tuning required.



MetAlarm Metal Detectors

The MetAlarm uses pulse-induction technology to reliably identify ferrous and nonferrous tramp metal in high-throughput, abrasive material streams, helping protect crushers, screens, and conveyors from costly damage. Its lightweight design provides easy maneuverability and quick installation. In most cases, it can be installed with little or no adjustment to idler spacing.





Material Handling

Built to handle coal, ore, and aggregates, Heavy Duty Vibratory Feeders from Eriez offer controlled feeding for tough, high-volume applications.

Heavy Duty Vibratory Feeders

Heavy Duty Electromagnetic Feeders from Eriez provide a cost-effective means to feed or screen large volumes of bulk material for applications where feed rate adjustability is required.

Designed specifically for high-volume, rugged environments, they are optimal for headload applications below a hopper, efficiently metering bulk materials to belt conveyors, screens, crushers, and elevators.



HVF Mechanical Vibratory Feeders

These straight-forward vibrating machines move high volumes of bulk materials reliably and economically.

The two-mass vibrating system fine tunes the motion of the trough to adjust the feed rate for a specific application, while its compact, low-profile design makes it ideal where headroom is limited and low horsepower is required.



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HEADQUARTERS

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Note: Some safety warning labels or guarding may have been removed before photographing this equipment. Eriez, Eriez Flotation and Eriez Magnetics are registered trademarks of Eriez Manufacturing Co., Erie, PA.

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