

ERIEZ



FOOD, PACKAGING & PROCESSING

EQUIPMENT FOR THE PACKAGING & PROCESSING INDUSTRY



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 spread 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 bespoke solutions tailored to their precise specifications, Eriez delivers.

Drawing from more than 80 years of experience across diverse industries, including 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.

Metal Detection

Eriez' extremely sensitive metal detectors safeguard against ferrous, nonferrous and stainless steel metal contaminants. Detectors are positioned at critical control points throughout the process from raw or bulk material through final package inspection. Eriez metal detectors help ensure your product purity.



Metal Detector Control

Eriez Metal Detectors offers a huge easy-to-use touchscreen interface, easy setup and reporting, multiple communication ports – USB and Ethernet, and the standard high-pressure wash down design.

- Four password protected levels of access



Metal Detector Vertical, Form, Fill & Seal

Designed to mount into space-restricted areas below Vertical Form and Fill machines. Requires no metal-free area above or below the sensing head. Allows for instantaneous electronic recovery from phase adjustments, as well as field switchable narrow zone/wide zone detection capabilities.

- Meets stringent standards



Liquid Line Metal Detector

Designed for liquids, pastes, slurries or other viscous products where high-sensitivity metal detection is required. The system can be mounted vertically or horizontally.



PolyMag Plastic Additives

PolyMag Additives impart metal detectability, X-Ray contrast, and magnetic susceptibility into plastic moldings to prevent plastic contamination from reaching the consumer.





Vibratory Feeders & Conveyors

Eriez offers a wide range of vibratory feeders, conveyors and screeners for the packaging and processing industries. In addition to standard designs, Eriez can customize tray configurations to meet specific application requirements.

Available Features

- Quick release tray enclosures and screens
- Sanitary construction
- Wash down construction
- Special coatings on tray and drive
- Solid State controls

Light & Medium Duty Electromagnetic Feeders

Eriez' unique Hi-Vi magnetic drive circuit provides a simple yet powerful solution to difficult material feeding applications. These feeders, with their totally enclosed magnetic drive, can feed practically any bulk material from micron size to bulky chunks. Solid-state controls operate the feeders with "watch-like" precision.



Vibratory Conveyors

Eriez mechanical feeders are simple, rugged, vibrating machines designed to handle a variety of bulk materials. The conveyors are available in single-mass and two-mass vibrating systems excited by a motor-driven eccentric shaft. Springs vary according to the type of application.

- Low profile – minimum headroom
- Variable controller



Bin Vibrators

Eriez' unique Hi-Vi magnetic drive circuit provides a simple yet powerful solution to difficult material flow applications. These vibrators, with their totally enclosed patented magnetic drive, can be used for applications ranging from the tiniest hopper to huge bunkers with reinforced heavy steel plate and liners. Hi-Vi's concentrated vibration, with its powerful positive drive in both directions, applies a superior action to bin walls, and results in a more economical, more efficient flow of hard-to-handle materials.

- Simple controls
- Low power consumption



Vibratory Controls

The company's line features three styles of controls:

- UniCon, the standard "base model" control
- UniCon HC (High Current) control
- Series controls





Magnetic Separation

Eriez offers the widest selection of magnetic separators for the ultimate in product purity, ranging from simple magnetic grates to powerful high-intensity magnetic filters. Magnetic separators are a vital line of defense to remove unwanted steel in the process flow that can damage equipment or contaminate product. Our magnetic equipment fits virtually any type of process including gravity or free-flowing, belt or conveyor fed, pneumatic conveyors and liquid lines. Each type of magnetic separator comes in a range of strengths to ensure your target metal is removed.

Plate Magnets

Eriez Plate Magnets provide dependable and economical solutions to problems associated with tramp iron contamination in processing lines. Plate Magnets installed in chutes, spouts, ducts, pipes, or suspended over conveyors remove tramp iron to help prevent costly shutdowns associated with machinery damage, prevent spark-caused fires and explosions, prevent product contamination and improve product purity.

- Quick release clamps for easy operation and maintenance
- Minimized overall height for difficult retrofit installations



Magnetic Humps

Eriez' Magnetic Humps provide a simple and effective way to remove tramp iron contamination from gravity or pneumatically conveyed dry, free flowing products such as feed, grain, wood chips, food stuffs, sand or plastic.

- Quick release clamps for easy operation and maintenance
- Minimized overall height for difficult retrofit installations



Grate Magnets

Powerful, permanent magnetic protection against fine and tramp iron contamination. Designed for simple installation in steep-sloped hoppers, odd and irregular shaped hoppers, floor openings, vertical closed chutes, and ducts.

- Available in ceramic, Rare Earth and Xtreme® Rare Earth
- Standard or easy-to-clean options available



Trap Magnets

Eriez' line of powerful, permanent magnetic traps provides protection for liquid lines and processing equipment. They preserve product purity by removing small particles of magnetic scale, rust and fine iron contamination.

- Powerful magnetic circuit designed to attract and hold contaminants



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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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