



Packaging & Processing

EQUIPMENT FOR THE PACKAGING & PROCESSING INDUSTRIES





Programs for the Packaging & Processing Industries

Eriez' Quick Ship stocking program includes our most popular items from grate magnets to vibratory feeders and metal detectors, readily available for immediate needs. Our Quick Ship items are available in three convenient designations: Next-Day, 5-Day, and 10-Day shipment.

ProGrade Magnets

A full line of low-cost magnetic separators ready to ship. PROGRADE® features magnetic tubes, grates, plates, liquid line traps, grate-in-housings and RF cartridges with many available in ceramic, Rare Earth and Xtreme® Rare Earth circuits.

EriezXpress™ Next-Day Shipments

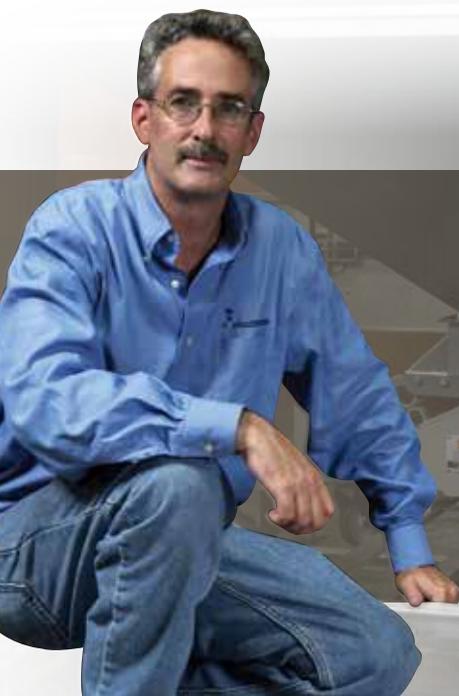
Many of Eriez most popular magnetic separators, vibratory feeders and controls are stocked and available for next-day shipment.

Feeders Fast 5-Day Program

Includes 32 electromagnetic vibratory drive and tray combinations. Tray sizes range from 4 to 16 inches wide and 20 to 60 inches long.

Metal Detector Quick Ship Program

Eriez stocks various metal detectors including sensing heads, conveyor systems, vertical free flow and liquid line systems, available to ship as quickly as 2 days.



MARK FRAZIER

Frazier and Son

“...we rely on Eriez electromagnetic drives to accurately feed our bucket elevator systems. Although we use their entire range of feeder drives, the high deflection units are perfect for our most challenging applications.”

Feeders · Conveyors · Screeners

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



Compact Vibratory Feeders

- Low to high capacity models
- Energy efficient eco-friendly electromagnetic drives
- Many tray designs – sanitary, screens, dust control options
- Available in Feeders Fast program



High Speed Vibratory Feeders

- Feeds light, bulky materials
- Rapid on-off cycling, quick stopping
- Ideal for mixing, weighing, batching and packaging operations



High Deflection Vibratory Feeders

- Operates on a different frequency with greater amplitude
- Superior handling of fine powders, sticky and leafy type products
- Ideal for many screening operations



Tuned Two-Mass Electromagnetic and Mechanical Conveyors

- Controlled transfer of bulk materials
- Low power consumption, high capacity
- Isolated design for floor or suspension mounting
- Available with intermediate discharge gates
- Low profile models available



Horizontal Motion Conveyors

- Ideal for fragile or coated products
- Wide variety of tray lengths, widths and shapes
- Floor mounted or suspended



76 Series High Capacity

- For scale and bucket feeding
- Increased capacity
- Long tray overhang for easy integration



Vibratory Screeners

- Mechanical and electromagnetic
- Wide range of decks, screens and discharges
- Light or medium duty



Volumatic Feeder Machines

- Compact system consisting of a hopper, vibrator, feeder, frame and controls
- Metered flow of dry bulk materials



Bin Vibrators

- Aids in moving hard to handle bulk materials
- For small to large hoppers
- Energy efficient electromagnetic and mechanical rotary models available

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.



Xtreme® Metal Detectors

- Highest level of sensitivity available
- Recognizes contamination and activates an optional reject device
- High pressure wash down design
- Touch screen settings with remote support



Xtreme® Metal Detector - Conveyor System

- Metal detector mounted on a stainless steel, wash down conveyor
- Variable speed drive with food-grade polypropylene belt
- Stocked in 3 sizes for Quick Ship delivery
- Custom systems available



Xtreme® Vertical System

- Ideal for free-flowing products
- Compact design with high level of sensitivity
- Wash down system
- Used in conjunction with an Eriez Grate Magnet



Xtreme® Liquid Line System

- Designed for liquid, pastes, slurries or other viscous products
- High sensitivity
- Detector head, support plate and reject valve are constructed of 304 stainless steel
- The system can be mounted vertically or horizontally
- Kynar pipe with stainless steel tri-clover
- Available in pipe sizes 1.5" to 4" in diameter



Xtreme® VFS Metal Detector

- Designed to mount into space-restricted areas below Vertical Form, Fill and Seal machines
- Requires no metal-free area above or below the sensing head
- Available in 3, 4, 6, 8 and 10-inch aperture sizes
- Stainless steel construction
- Remotely housed electronics



Xtreme® Pharmaceutical System

- Inspects tablets and capsules gravity fed from a tablet press
- 1.5" high x 4.5" wide or .9" high x 4" aperture
- Polished 304 stainless steel sensing head and frame
- Tool-less disassembly for all product contact components for easy cleaning
- Two-piece, easy to remove throughput chute
- Compact design for space restricted areas

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.



Magnetic Grates

- Remove fine iron and tramp iron from dry, free flowing products
- Fit square, round, oval, and odd shaped hoppers/chutes
- Available in ceramic, Rare Earth and **Xtreme®** Rare Earth
- Next-Day shipment available



Grates In-Housing

- Staggered rows of grates in a housing
- Greater opportunity to remove small particulates and tramp iron from free-flowing products
- Available in ceramic, Rare Earth and **Xtreme®** Rare Earth, and for Next -Day shipment
- Self-cleaning options



Liquid Line Traps

- Removes scale, oxides and iron contaminants in liquid and slurry lines
- Six models fit pipe diameters from 2–4"
- Available in ceramic, Rare Earth and **Xtreme®** Rare Earth



Magnetic Plates

- Protect against medium and small size contaminants
- Installed in chutes, spouts, ducts and suspended over conveyors and screens
- Available in multiple designs, ceramic, Rare Earth and **Xtreme®** Rare Earth, and for Next-Day shipment



Magnetic Humps

- Incorporates two plate magnets for improved separation
- Material falls against first plate magnet, then redirects to second magnet
- Various strengths available
- Fits feed pipes to 18"
- Self-cleaning options



RF Cartridge

- For pneumatically conveyed dry material
- Flows around solid stainless steel cone and over magnetic cartridge



Self-Cleaning Rota Grate

- Rota-Grate® In-Housing enclosed for dusty installations
- Slowly rotating tubes prevent bridging
- Powerful Rare Earth options
- Removable tube assemblies for easy cleaning



High Intensity Magnetic Filters

- For ultra pure applications
- Collect micron-size weakly magnetic contamination in high-intensity, high-gradient magnetic matrix



Self-Cleaning DSC Grate-In-Housing

- Dust Tight Sanitary Construction
- Large separation area for tramp metal removal
- Completely self cleaning assembly
- Easy "Bolt On" accessory
- No weldings or cutting required



WORLD AUTHORITY IN SEPARATION TECHNOLOGIES



HEADQUARTERS:

2200 Asbury Road • Erie, PA 16506-1402 U.S.A.
P: 814-835-6000 • F: 814-838-4960
E-mail: eriez@eriez.com • www.eriez.com



AUSTRALIA
Eriez Magnetics Pty. Ltd.
Epping, Victoria
P: +61 (0)3-8401-7400



BRAZIL
Belo, Horizonte MG, Brazil
P: 55 11 4056-6644



CANADA
Eriez Flotation Division
Vancouver, BC, Canada
P: +1 604-952-2300



CHINA
Qinhuangdao and Tianjin, China
P: 86 22 8390 4608



INDIA
Athipet, Chennai, India
P: 91-44-26525000



JAPAN
Urayasu, Chiba, Japan
P: +81-47-354-6381



MEXICO
Querétaro, Tlalhepantla, Mexico
P: 52 555 321 9800



SOUTH AFRICA
Bramley, South Africa
P: 27-11-444-9160



UNITED KINGDOM
Eriez Magnetics Europe LTD
Caerphilly, United Kingdom
P: 44-29-2085-5854



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