



Packaging

EQUIPMENT FOR THE PACKAGING INDUSTRY





Eriez Programs for the Packaging Industry

ProGrade Magnets

A full line of low-cost magnetic separators ready to ship. PROGRADE® features magnetic tubes, grates, plates, liquid line traps and grate-in-housings... 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 80 to 504 sq. in. and offer capacities as high as 22 t/hr.

Metal Detector/Conveyor Quick Ship Program

Eriez stocks various sized metal detectors and stainless steel, wash down conveyors for quick assembly and delivery. The variable speed conveyors are available in 6, 12, 18 and 24-inch widths with a food-grade polypropylene belt.

Drive, Tray and Hopper Sizing Software

Helpful programs to select the proper feeder and hopper are available.

Double Team Tramp Metals

There's no better solution to ensure your product is metal-free than first using magnets for steel removal, followed by Xtreme® Metal Detectors to reject nonferrous metals like aluminum, brass, stainless steel and more.



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.”

Vibratory Feeders

Eriez offers a wide range of vibratory feeders specifically for the packaging industry. All electromagnetic drives are extremely energy efficient, require low maintenance due to no rotating parts, and can be mated with a range of sanitary and non-sanitary trays. Our compact electromagnetic drives and feeders are ideal for high-speed packaging, conveying difficult products like flour, leafy and gummy products, and high material load applications.

Applications

- High speed packaging
- Product metering
- Bulk material handling
- Sanitary environments
- Handling difficult materials like flour, powders, leafy and sticky products
- Models available for class II hazardous environment



Electromagnetic Vibratory Feeders



Small to Medium Volume Feeders

Model A - Model C

- Feed from a few pounds to 25 tons per hour
- Suitable for high material load applications
- Feed granular to small lump materials



High Speed Feeders

Model HS

- Exceptionally high speed feeding of light, bulky materials
- 60% faster than standard models
- For use with weigh scale and packaging machines
- Available with wide range of tray sizes
- Compact sizes



High Deflection Feeders

Model HD

- Lower frequency and higher amplitude (similar to mechanical feeder)
- For feeding damp, light, dense, heavy, sticky, leafy and most difficult products
- Feed rates up to 80 ft/m for products with bulk density less than 10 lb/ft



Volumatic Feeders

- Consists of hopper, vibrator, feeder and controls
- Accurate control of dry bulk materials
- For weigh scales, packaging, bagging and small batch operations
- Standard and custom units available



Bin Vibrators

- Aids bulk material flow from hoppers or chutes
- Small hoppers to huge bunkers
- Wide variety of sizes, low power consumption and simple controls
- Energy efficient electromagnetic and mechanical rotary models available

Conveying and Screening

Eriez conveyors and screeners are used throughout the food processing and packaging industries. Electromagnetic units offer precision control, low power consumption and high capacity. Mechanical designs are well suited for high capacity, long lengths and screening applications. Drives and trays can be custom designed and made to sanitary specifications.

Applications

- Bulk material conveying
- Product screening and sizing
- Visual inspection of products
- Conveying fragile and coated product



Mechanical Vibratory Conveyors

- Low horsepower feeders handle bulk material in volumes to 2250 t/hr
- Simple, stable, variable controller
- Wide variety of trough sizes and types available



Electromagnetic Vibratory Conveyors

- Two-mass vibratory, spring coupled conveyor
- Variable voltage control allows precise feeding and the ability to cycle on/off rapidly
- Tray sizes from 18 to 48-inches wide by 5 to 20-ft long



Horizontal Motion Conveyors

- Smooth, positive-sliding motion for fragile or coated products
- Wide variety of tray lengths, widths and shapes
- Floor mounted or suspended



Screen Separators

- Mechanical and electromagnetic drives
- Wide range of decks, screens and discharges
- Light or medium duty
- 4 to 60 sq. ft. screen sizes



POLYMAG[®]
X-Ray and Metal Detectable Additives
Eriez' FDA compliant, PolyMag[®] additives impart metal detectability, X-Ray contrast and magnetic separation into a range of polymers. We supply these masterbatch additives to molders of returnable plastic containers, pallets, scoops, scrapers, o-rings, conveyor belting, bucket elevators and more. PolyMag[®] additives are typically included at 10% to 20% loadings in moldings and extrusions.

Metal Detectors and Separators

Eriez metal detectors and separators safeguard against both ferrous, nonferrous and stainless steel metal contaminants. Detectors are positioned at different locations throughout the process from raw or bulk material through final package inspection, typically at critical control points identified by the customer.



Applications

- Remove ferrous, nonferrous and stainless steel metals
- Conveyed or free-flowing bulk materials
- Finished package inspection
- Liquid line and vertical operations



Xtreme® Metal Detectors

- Highest level of sensitivity available
- Detects metals down to 0.2mm
- Recognizes contamination and activates a 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 4 sizes for Quick Ship delivery



FF5 Metal Separator

- Ideal for free-flowing powders and spices
- Compact design with high level of sensitivity
- Wash Down Design



Vertical Form, Fill and Seal

- Controls can be mounted up to 100 ft. from the metal detector
- Used where heights are restrictive
- Detects ferrous, nonferrous and stainless steel metals prior to final packaging



Liquid Line System

- Used in conjunction with an Eriez Magnetic Trap
- Available for various pipe sizes
- Includes metal detector, food grade kynar pipe, support stand and optional reject valve

Grates • Plates • Traps

Magnetic Separators

Drums • Filters



Magnetic separators are the first line of defense to remove unwanted steel in the process flow that can damage equipment or contaminate products. These range from simple magnetic grates to powerful high-intensity magnetic filters for the ultimate in product purity.

- Electro or permanent magnets including **Xtreme® Rare Earth**
- Installed in chutes, spouts, ducts, pipes, over belts and under belts
- Removes steel fragments, scale, rust and fine iron



Eriez' worldwide system of manufacturing, sales and service

5-Star Service Center

Eriez' 5-Star Service Center, located in Erie, PA, is staffed with an experienced team of professionals available through our 24/7 hotline, 1-888-300-ERIEZ. We use original OEM parts and offer on-site field testing, equipment re-manufacturing and full "as new" warranties.

EriezXpress™

EriezXpress products are always in stock and ready for next-day shipment from Eriez USA. Eriez has identified those products most often ordered with fast shipment requirements. The **EriezXpress** program streamlines the order-to-ship process by simplifying product ordering, modifying inventory control and designating a dedicated team to make it all happen.

Upon credit approval, orders received at Eriez-USA by 4:00PM will be processed and shipped the next business day.



The Eriez Technical Center

Eriez maintains the industry's largest magnetic, vibratory and inspection system test laboratory at its Technical Center in Erie, Pennsylvania, U.S.A. More than 100 pieces of specialized test equipment are on hand. Here, customer products and raw materials are analyzed confidentially and ways to separate or move, screen or detect them more efficiently and economically are then suggested. Feasibility and definitive studies are also conducted.



World Authority in Separation Technologies

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