



Packaging

EQUIPMENT FOR THE PACKAGING INDUSTRY





Eriez Programs for the Packaging Industry

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 metal detector aperture heights and stainless steel, wash down conveyor widths 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.

Double Team Tramp Metals

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



Production Manager – 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, low maintenance with no moving parts, and can be mated with a range of sanitary and non-sanitary trays. Our compact electromagnetic drives and feeders also handle high-speed packaging, 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



Electromagnetic Vibratory Feeders



Compact Volume Feeders

Model A

- Smallest feeders in the line
- Feeds granular to small lump material
- For small packaging or lab use
- Feeds from few pounds to 2 t/hr



Medium Volume Feeders

Model C

- Larger than Model A
- 12 models with feed range from 65 to 460 cu ft/hr



High Speed Feeders

Model HS

- Exceptionally high speed feeding of light, bulky materials
- 75% faster than standard models
- For use with weigh scale and packaging machines
- Available with medium or wide tray widths



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



Bin Vibrators

- Aids bulk material flow from hoppers
- Small hoppers to huge bunkers
- Wide variety of sizes, low power consumption and simple controls

Conveying and Screening

Eriez conveyors and screeners are used throughout the food processing and packaging industries. Electromagnetic units offer precision control, very low power consumption and capacities up to 600 tons. Mechanical drives are suited for conveying or screening in heavy-duty applications up to 2,250 t/hr. 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 "watch-like" precision of the feed
- 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

Metal Detectors & Separators

Eriez metal detectors and separators safeguard against both ferrous and nonferrous metal contaminants. This equipment is very effective for identifying and removing stainless steel fragments in sanitary processing applications. Detectors are positioned at different locations throughout the process from bulk or raw material through final package inspection.



Applications

- Remove ferrous and nonferrous metals
- Conveyed or free-flowing bulk materials
- Finished package inspection
- Liquid line and pneumatic operations



Xtreme® Metal Detectors

- Highest level of sensitivity available
- Detects ferrous and nonferrous 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 – Tunnel/Conveyor System

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



FF5 Metal Separator

- Free-flowing powders and spices
- Compact design with high level of sensitivity
- High pressure wash down



Vertical Form, Fill and Seal

- Controls can be mounted up to 100 ft. from the metal detector
- Used where heights are restrictive
- Detects/removes ferrous AND nonferrous 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 • Fillers



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

This considerable 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, adjacent to the headquarters plant 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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