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ORANGE



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RECYCLING PRODUCTS

Eriez equipment, either as individual units or complete systems, is designed for the most efficient and economical processing of municipal solid waste, comingled recyclables, shredded automobiles, electronic scrap, glass cullet, plastic (PET), foundry sand and many other resource recovery operations. All Eriez recycling products are designated as Eco-Certified.

Just a few Eriez Recycling Products:



**RevX-E™ Eccentric Rotor
Eddy Current Separator**



**FinesSort™ Metal
Recovery System**



**P-Rex™ Permanent Magnet
Scrap Drum**



**TotalSort™ Metal
Recovery System**



**ProSort Metal
Recovery System**



**DensitySort™ Metal
Recovery System**

eco-certified – *adj.* Eriez confirmation that a product uses recyclable materials, serves the recycling industry or includes a permanent magnet.

- The products have a positive impact on recycling processes and the recycling industry
- They are manufactured with energy-savings features, including the use of energy-free permanent magnets
- All equipment is built in an Eriez facility that focuses on recycling consumables, driving down energy usage and drastically reducing solid landfill waste
- An electronic, paperless format is used when promoting the selected equipment; when marketed using hard copy, promotional material is printed on recycled paper

From energy-saving StackCell flotation technology for coal processing to eco-friendly magnetic separators for the pharmaceutical industry, Eriez products are designed with both customers' needs and the environment in mind. The primary industries Eriez serves include aggregates, ceramics, coal processing, food processing, glass, metalworking, minerals processing, packaging, pharmaceutical, plastics and recycling.



ELECTROMAGNETIC FEEDERS



- A Series Feeders
- B Series Feeders
- C Series Feeders
- HS Series Feeders
- HD Series Feeders

Because of the energy savings they offer, Eriez Electromagnetic Feeders are Eco-Certified. Eriez' unique Hi-Vi magnetic drive circuit provides a simple yet powerful solution to difficult material feeding applications. These feeders, with their totally enclosed patented magnetic drives, can feed practically any bulk material from micron size to bulky chunks. Solid-state controls operate the feeders with "watch-like" precision. These feeders feature Electro—Permanent Magnetic Drives. The basic simplicity of a drive powered by alternatively opposing and attracting magnetic forces assures low maintenance. Power consumption is low and installation is easy. No rectifiers are required; feeders are simply wired into AC lines.



GRATES / PLATES / TRAPS



- Xtreme™ Rare Earth Plate Magnets
- SuperStrength Rare Earth Plate Magnets
- Superpower Plate Magnets
- Grate Magnets in Housing
- Model P Grate Magnets
- Rota-Grates®
- PM RE Grates in Housing
- Self Cleaning Grates
- Super B Ferrous Traps
- Model T Ferrous Traps
- U-4 Ferrous Traps

Eriez Eco-Certified Permanent Magnetic Plates, Grates and Traps (in standard or sanitary construction) are the heart of any separation system for protecting product purity through various stages of processing. Plates protect against medium and small-sized contaminants. Grates remove small and fine tramp iron from dry, free-flowing products. Traps are used to purify products in liquid and slurry lines by removing small particles of scale, oxides and iron contaminants.



PolyMag® Separator



PolyMag Benefits

- Scrap cost reduction
- Eliminates salvage labor
- Eliminates ergonomic risks
- Improves material traceability
- Provides consistent materials
- Reduces disposal costs
- Provides higher value regrind
- Separates unusable blends
- Enhances process control

PolyMag Applications

- Injection Molding
 - Over Molding
 - Insert Molding
 - Two Shot Molding
- Co-Extrusion
- Exchange-Blow Molding
- Sequential 3D Blow Molding
- Assembled Components
- Applied Gaskets
- Color Separation

Process Works On:

- All Resins
- Thermoplastic and Thermoset
- Mechanical and Chemical Bonds

Eriez' PolyMag® Separator provides an efficient means to separate plastic regrind containing the PolyMag Additive from other resins, reducing material waste and disposal costs.

The PolyMag Separator is designed to accept mixed resins, vacuum conveyed, directly from a common granulator. The separator uses an Erium™ 3000 High Intensity Rare Earth (RE) Magnetic Roll (head pulley) beneath a thin Kevlar belt to convey the plastic regrind through the magnetic field. When the regrind enters the powerful magnetic field, the non-susceptible particles are discharged from the roll in their natural trajectory. The magnetically susceptible particles (containing .7 percent PolyMag Additive) are attracted to the RE Roll and are discharged in the rear hopper. A splitter arrangement is used to segregate the two particle streams. The stainless discharge hoppers are designed to accept "fast clean out" takeoffs to automatically convey the separated plastic regrind back to the extruder or inspection machine.

Note: Some safety warning labels or guarding may have been removed before photographing this equipment

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World Authority in Advanced Technology for Magnetic, Vibratory and Inspection Applications

