

It's all here in black and orange.



**Industry's most
complete line
of separation,
vibration,
inspection and
metalworking
equipment
and support.**



It's all here in black and orange.

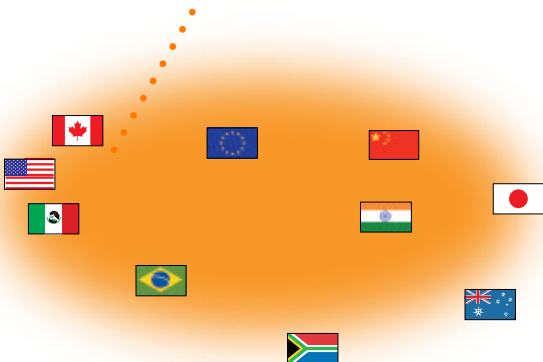
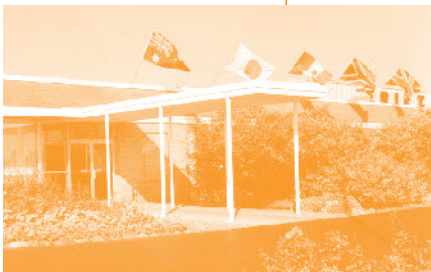
Everything you need to solve product handling, purity and processing problems.

Our company is rather fond of the color orange. That undoubtedly goes back to 1942 when Orange Fowler Merwin founded Eriez Magnetics.

Other companies seem to be rather fond of orange as well. More and more, companies are looking to Eriez for solutions to handling, purity and processing problems. And when they look, they find. They find a company with a solid reputation, a comprehensive product line, high-level technical expertise, industry's most complete test facility and generous support. Everything you need is right here. It's right here in black and orange.

A reputation for quality.

For more than 66 years, Eriez has been dedicated to quality and service. Ask our customers and they'll tell you the same. Every day, we work hard to uphold our reputation as the "world authority" in advanced technology for magnetic, vibratory and inspection applications.



A comprehensive product line.

Choose from hundreds of standard products, or let us create a custom solution. All are proven ways to increase productivity and improve product purity in a variety of industries, including food, chemical, metalworking, mining, recycling, power generation, pulp and paper, and pharmaceutical.

More products means more options for you. And that eliminates the hassles often encountered when dealing with multiple vendors.

A world of support.

A strong International Division coupled with manufacturing facilities and sales offices around the world ensures quick system delivery and a very high level of support—wherever you are. As an Eriez customer, you'll also appreciate our start-up assistance, when required, and emergency service available within 24 hours. We'll do whatever it takes to complete the job.

Expert technical guidance.

At Eriez, you'll also find advanced technical capabilities, including a team of more than 50 engineers and technicians. They've worked closely with customers to solve many of the world's toughest processing problems.

Fully equipped test center.

The Eriez Magnetics Technical Center is the most complete magnetic, vibratory and metal detection testing facility in the world. It's where hundreds of companies solve their processing and purity problems every year.

The 10,000-square-foot (930 sq m) facility houses more than 100 types of permanent magnetic, electromagnetic, vibratory, screening and inspection equipment to thoroughly analyze your products or raw materials. It's capable of handling everything from a single-material test up to a feasibility study and complete system development.

We'll help you design the most effective and economical way to convey, screen, inspect or separate your products or materials. And when you do design your system, we'll be right there with the equipment you need.

It's all just a phone call away.

Interested in a particular product area or application? Please call for individual product literature and videos.

1-888-800-3743

For international inquiries, fax:

1-814-833-3348

Vibration and screening



Feed, separate or classify all types of materials.

Electric Rotary Vibrators



These vibrators are effective flow-aid devices to move material efficiently through small hoppers to large bunkers. The elliptical action of the ERV helps settle material in bags, boxes or other materials for shipping or storage.

Eriez ERV models provide an effective driving force for vibratory screeners, feeders and conveyors.

Hi-Vi Vibratory Feeders



Compact feeders accurately feed and control material flows at rates ranging from pounds (kg) to many tons per hour. Base-mounted units with wide selection of trays. Totally enclosed magnetic drives. Power consumption is low.

Electromagnetic Conveyors



Rugged, high capacity units for the controlled conveying of bulk materials. Simple two-mass

system utilizes the latest in solid state control technology.

Electro-Permanent Magnetic Bin Vibrators



Twelve models for applications ranging from the tiniest hopper to huge bunkers. AC-operated units provide efficient, economical movement of hard-to-handle bulk materials. These vibrators use up to 80% less power than some other units.

Horizontal Motion Conveyors



E-Z Slide™ Conveyors are an excellent choice for moving fragile or coated products. Available in a wide variety of tray lengths, widths and shapes, they may be floor-mounted or suspended from above.

Heavy-Duty Vibratory Feeders



Eight models for large capacity and difficult material handling operations up to 700 tph (635 mtph). Low-energy-consuming electro-permanent magnetic drive, simple controls and AC operation increase productivity, cost economies and reliability. Coil and magnet encapsulated for trouble-free coil life. Wide variety of standard and special trays available, including grizzly decks.

High-Speed Vibratory Feeders



Exceptionally high-speed feeding of light, bulky materials. Quick-stopping characteristic assures accurate handling of materials for economy and efficiency in mixing, weighing, batching, packaging and bagging operations. AC operation.

Tuned Two-Mass Mechanical Conveyors



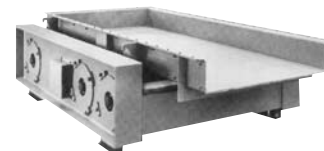
Low-power consumption, high capacity units for the controlled transfer of bulk materials. Compact design presents low profile, requires minimum headroom. Flow rates to 60 fpm (18 mpm) at 600 rpm. Easy access to components expedites and simplifies maintenance.

Volumatic Feeder Machines



Made up of hopper, vibrator, feeder and controls. Assures accurate flow of dry bulk materials for weigh scales, packaging and bagging equipment, small batch operations and additive feeding. Three models with feed rates to 15 tph (13.6 mtph). Special models available for specific requirements.

High-Volume HVF Mechanical Feeders



Rugged, low horsepower, high capacity units for the controlled movement of up to 2250 tph (2045 mtph) of bulk materials.

Vibratory Screeners



Eriez feeders and conveyors can be engineered to incorporate a wide variety of screening media to meet your material separation needs. Mechanical and Electromagnetic models are available.

Separation

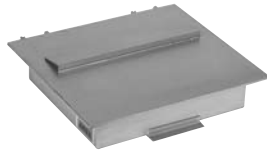


Improve purity and productivity in wet or dry product flows.

Pro-Grade™ , a wide variety of magnetic separators for immediate shipment.



Plate Magnets



Protect against tramp metal contamination in processing lines. Six magnetic strengths. Install in chutes, ducts, feed tables, or over conveyor belts. Sizes 4-inches (102 mm) and larger.

Stainless steel construction with hinge and tapered step face. Sanitary units also available. Many sizes available from stock.

Magnetic Humps



Effectively remove tramp iron from material conveyed pneumatically or where large volumes of free-flowing materials fall by gravity. Two magnets in a dogleg housing increase iron removal efficiency. Hinged magnets open for easy cleaning. Also available in pressure construction, and with Erium® Rare Earth magnetic elements.

Round Pipe Separators



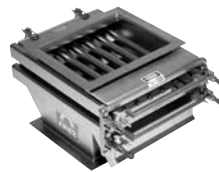
Round Pipe Separators (RPS) help remove ferrous contaminants from dry product flows by exposing the stream to a powerful plate magnet.

Deep Reach Separators



Heavy flows of materials which may bridge or choke when processed through magnetic grates are easily handled with this open-throat design. Tramp iron is pulled from the product by two powerful deep field permanent magnets located on opposite sides of the housing. Also available in sanitary construction.

Drawer Grates in Housing



Protect dry free-flowing materials under gravity flow from ferrous contamination. Designed for easy installation and manual cleaning. Can be furnished with standard ceramic Erium permanent magnetic elements, Erium Rare Earth, or a combination.

Grate Magnets



Extract small and fine iron when installed in steep-sloped, odd and irregular-shaped hoppers, vertical closed chutes and ducts. Available with Xtreme™ Rare Earth in all models, including drawer and wing-type grates, grates in housing (both manual and self-cleaning) and Rota-grates. Also in sanitary construction.

Xtreme™ Rare Earth Permanent Magnets



Offers up to 25 times more pull than conventional permanent ferrite magnets. Recommended for removing fine and weakly magnetic contaminants. Xtreme™

Rare Earth is available in many types of magnetic separators to purify a wide range of products.

Ferrous Traps



Purify products in liquid and slurry lines by removing small particles of scale, oxides and iron contaminants. Six different models. Sizes for pipelines 2-inches (51 mm) and larger. Xtreme Rare Earth elements available. Easy to inspect and clean. Available in sanitary construction.

Separation

Radial Field Cartridge Magnets



Eriez' Radial Field Cartridge Magnets offer magnetic protection of powdery materials (such as starch or flour) being moved through a pneumatic conveyor.

Self-Cleaning Grate Magnet



Automatically remove fine metal contamination from free flowing or granular products. Specialty units available for sticky or difficult flowing materials.

Magnetic Pulleys



Axial interpole magnetic field removes unwanted tramp iron from nonmagnetic materials conveyed on a belt. Easy installation. Self-cleaning operation. Industry-leading magnetic field strength. Eighty combinations of diameters from 8 to 36 inches (203 to 914 mm) and belt widths from 8 inches (203 mm). Electromagnetic units available.

Magnetic Drums



Automatically remove large and small pieces of tramp iron contaminants from material processing lines. Crisscross or agitator-type magnetic fields. Available with SuperStrength Rare Earth elements. Self-cleaning design. Provided with or without housings. Standard models in diameters from 12 to 36 inches (305 to 915 mm) and widths from 12 to 60 inches (305 to 1524 mm).

Suspended Permanent Magnetic Separators



Automatically remove large amounts of ferrous from nonferrous materials conveyed in heavy burden depths on almost any type of conveyor or chute. Ideal for separation applications on wet or dry, fine or coarse materials, large or small tonnages. Manual cleaning models available with mechanical drawer-type strippers. Self-cleaning model also available.

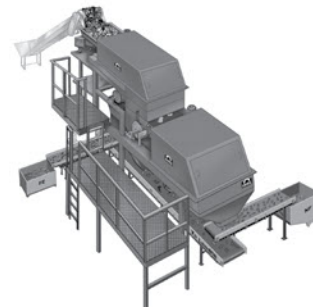
Suspended Electromagnetic Separators



Safely and automatically remove tramp iron from heavy product flows such as wood, coal, or rock being conveyed on belts, vibratory feeders or chutes. UL-Listed construction available on units for use in hazardous, dusty and gassy locations. Approved by other leading safety agencies. Air-cooled, dry-type electromagnets require no coolant fluids and reduce power consumption by 50%. Ten day delivery on select models.

Eddy Current Nonferrous Metal Separators

FinesSo



The FinesSort™ Metals Recovery System is the ultimate in fine particle metal reclamation. FinesSort's series of powerful magnetic components recover valuable ferrous and nonferrous metals from the fines waste streams in scrap yards. This system not only reduces the amount of waste destined for landfill, but reclaims thousands of pounds of metals per day.

Ferrite Rotor ECS

Ideal for material recovery facilities wishing to automate removal of aluminum beverage cans from commingled recyclables. Available in feed widths of 24, 36, 48 and 60 inches (610, 914, 1220 and 1524 mm).

Rare Earth Rotor ECS System



Vibrating feeders convey automobile shredder residue, boiler bottom ash or glass cullet to a Rare Earth magnetic drum and then to an Eddy Current Separator. The end product is primarily concentrated aluminum. Nonmetallic trash is rejected. The system includes chutes, walkways and controls. Available in feed widths to 60 inches (1524 mm) for capacities of up to 35 tph (31 mtph).

ProSort™



ProSort™ improves metal separation while operating at a fraction of the cost of air power metal sorters. Ideal for the scrap metals market, the patent-pending ProSort airless metal recovery system uses high sensitivity metal sensors aligned with low energy electromagnetically driven paddles to separate valuable metals from waste material.

Magnamation



Magnetic automation for metalworking.

Magnetic (Beltless) Chip and Parts Conveyors



Automatically remove and elevate ferrous materials such as chips, turnings and small parts. No moving external parts. Conveyor mechanism is totally enclosed. Wide variety of configurations can be assembled from standard design sections.

Belt Conveyors



Space-saving system with positive holding action for vertical, inclined or horizontal materials handling. Move components made all or partly of steel, at high speeds. System can be designed and engineered to your specific requirements.

Coolant Cleaners



Smooth-faced and extended-pole models extend life of coolant, cutting tools, grinding wheels and pumps. Radial-design magnetic circuits extract ferrous particles to help meet tolerances and improve surface finish in grinding and metal-cutting operations.

Sheet Fanners



Powerful magnetic circuit makes light or even heavy-gauge steel fan with ease. Provide new efficiency to slow, difficult sheet feeding for presses, brakes and shears. Three strengths available in four functional heights.

Magna-Rails® and Rolls



Positioned under conveyor belts, Magna-Rails® hold ferrous parts firmly to the belt, even at high speeds up or down inclines as steep as 90°. Magna-Rolls and bars can be installed on new or existing conveyor lines to drive, convey and control steel products.

Electro Lifting Magnets



Efficiently lift and move steel without direct attachment by slings, hooks or cables. Complete line of designs with various models, sizes and strengths to handle many different lifting jobs. Used singly or in gangs, Eriez electro lifting magnets operate on DC power.

Rare Earth Coolant Cleaners



Superior removal of fine ferrous contaminants from coolants extends the life of pumps, cutting tools and grinding wheels. Developed for the metalworking and specialty industrial markets.

Permanent Lifting Magnets



Lift, move or position in less time, efficiently and economically. SafeHold® Lifting Magnets do not require electricity, so power failures don't interrupt operation. Make quick work of difficult, time-consuming steel handling.

Metal detection & X-Ray equipment



Highly sensitive inspection equipment.

E-Z Tec® Liquid Line System



Eriez E-Z Tec® Narrow Profile Liquid Line Metal Detectors are highly sensitive instruments used to detect the presence of ferrous, nonferrous and stainless metal contaminants in viscous product such as liquids, slurries, syrups, pastes and many other pumped products.

When metal is detected in the product flow, the optional reject valve diverts the contaminated product. Complete systems can be provided in pipe sizes ranging from 1 inch to 4 inch diameter (25.4 mm to 102 mm).

Hand-Held Metal Detectors



Designed to help pinpoint the locations of the tiniest ferrous and nonferrous metal particles.

E-Z Tec Pharmaceutical Metal Detectors



Highly sensitive to minute pieces of ferrous, nonferrous and stainless steel contaminants, the E-Z Tec Pharmaceutical Metal Detector is designed specifically for tablet press machines.

E-Z Tec DSP Metal Detectors



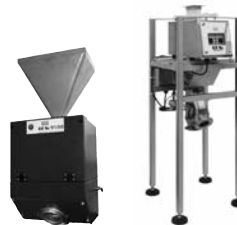
Extremely sensitive metal detector detects minute pieces of metal in wet and dry products, ensuring purity for food, dairy, chemical, cosmetic, pharmaceutical, textiles and many other industries.

E-Z Tec SlimTec Aperture and Single-Surface Models



E-Z Tec Slimtec units are ideal for installations where space is limited. These units fit where other detectors cannot!

E-Z Tec Vertical Reject Systems



Eriez' E-Z Tec 9100 and Low Profile Vertical Reject Systems are ideal for free-falling materials such as powders, granules, flakes and pellets.

Metal Detector/Checkweigher Systems



Reliable and accurate integrated systems for the most demanding quality control requirements for metal detection and weighing.

E-Z Tec Conveyor Systems



E-Z Tec Metal Detectors are available with conveyor systems, including marker devices, alarms and reject mechanisms. Stainless steel construction is standard for food, chemical, pharmaceutical and other applications requiring strict product integrity.

1200 Series Metal Detectors



Six different models are available to handle a wide range of applications from detecting very small to large size ferrous, nonferrous and stainless steel particles traveling at speeds up to 1200 fpm (363 mpm).

Metalarm Metal Detectors



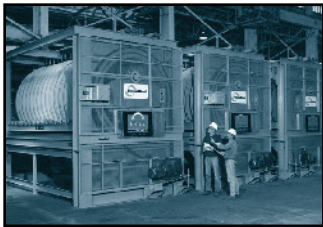
A wide selection of search coils provide a solution to many metal detection problems involving medium to large pieces of tramp metal.

E-Z Tec XR X-Ray Inspection Systems



Eriez automated X-Ray Inspection Systems employ advanced linear x-ray technology for superior sensitivity, speed and sophistication for both loose product flow and packaged inspection.

Minerals and materials processing



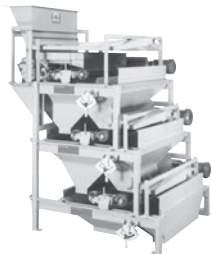
Proven ways to protect both product purity and processing equipment.

Cross Flow Separators



These high capacity classifiers are ideal for sizing and/or concentrating minerals in slurry form having various particle size and density distributions.

Rare Earth Roll Magnetic Separators



Concentrated, high-intensity permanent magnetic fields combine with the force of gravity and controlled feeding to concentrate feebly magnetic ores and minerals, and to remove weakly magnetic oxides from nonmagnetic feeds.

Wet Drum Separators



Recover magnetite or ferrosilicon in heavy media operations. Concentrate magnetic ores. These separators provide economies of space and operation. Basic tank styles include concurrent, counter-rotation and counter-current.

High Intensity Magnetic Filters



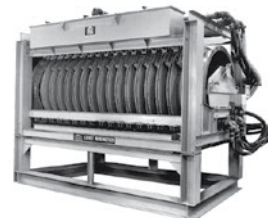
Strong magnetic separators remove fine ferrous and paramagnetic contaminants from flowing liquids.

Rare Earth Drum Separators



Eriez heavy-duty permanent Rare Earth drums offer superior magnetic protection in ore treatment applications requiring a high degree of product purity. They are capable of removing very fine ferrous particles, locked particles, and even strongly paramagnetic particles. Available in diameters from 15 to 48 inches (380 mm to 1219 mm) and widths from 12 to 120 inches (305 mm to 3048 mm).

Ferrous Wheel Magnetic Separators



These high-gradient permanent magnetic separators provide continuous operation in the economical concentration of magnetic ores or the cleaning of nonmagnetic ores.

Trunnion Magnet Systems



Powerful system for the automatic separation and removal of grinding balls and ferrous chips from milled ore in ball/SAG mills.

Electrostatic Separators



Designed to separate conductive from nonconductive materials. Wide range of applications from metal scrap recycling to industrial minerals processing.

World Authority

in Advanced

Technology for

Magnetic,

Vibratory and

Inspection

Applications

Contact:



...Only from Eriez.



Autoline Automation Ltd
8 Stuart St
Blenheim 7201

Freephone: 0800 37 55 66
Freefax: 0800 37 55 99
Email: sales@autolineautomation.co.nz
Web: www.autolineautomation.co.nz