

**EQUIPMENT
FOR THE
AGGREGATE
INDUSTRY**



Eriez

is the world leader in the development and manufacture of detection, separation and vibratory equipment for the aggregate industry. For more than 50 years, Eriez has maintained a reputation for quality products and a proven expertise in novel solutions for difficult material handling applications. The aggregate industry faces unique challenges during processing: protecting product purity while handling materials in the most efficient and economical way. Eriez offers solutions to customer problems, with superior equipment and services, application know-how, and technical problem-solving in areas of aggregate processing such as protecting machinery from tramp metal damage and material handling.

In addition to offering a variety of standard products basic to the aggregate processing industry, Eriez Design Engineers and Applications Specialists are available to assist in the evaluation of material handling requirements — from the planning of new automated facilities to modernization of existing systems. Eriez products, either as individual units or complete systems, are custom engineered to meet specific production requirements.



Metal Detection

METALARM METAL DETECTOR



Detection takes place as the feed material passes the center of the metal detector. Metal contamination is recognized and a signal is generated, activating a reject device, beacon, horn, etc.

All controls are remotely installed, and can be located up to 60 feet (18 m) from the search head.

The Metalarm Metal Detector detects ferrous and nonferrous metals in rock, limestone, recycled concrete, and other materials.

1200 SERIES



not false trip when subject to industrial vibration. Electronic circuitry rejects most RF transmitted signals, including signals from hand-held FM transmitters which often cause other metal detectors to false trip.

1200 Series Metal Detectors are effective in difficult material handling situations such as detecting large tramp metal and small metal pieces in extremely wet, conductive products, or in very deep burdens.

Metal detectors in the 1200 Series are rugged, lightweight and compact units that are easy to install and maintain. 1200 Series units are extremely stable and will



Separation

SUSPENDED ELECTROMAGNETIC AND PERMANENT MAGNETIC SEPARATORS



Automatically remove large amounts of ferrous from nonferrous materials conveyed in deep burdens on almost any type of conveyor or chute. Ideal for separation applications on wet or dry, fine or coarse materials in large or small tonnages.



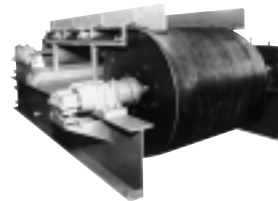
Both manual and self-cleaning models are available. A wide range of standard sizes and models in both permanent and electromagnetic types provides options for a magnet ideally suited for any application.

MAGNETIC DRUMS



Automatically remove large and small pieces of tramp iron contamination from material processing lines. Crisscross, Agitating, or Rare Earth magnet circuits provide for a variety of separation solutions to many different tramp iron problems.

MAGNETIC PULLEYS



Convert that feed conveyor to a continuously self cleaning magnetic separator. New axial interpole magnetic field removes unwanted tramp iron from nonmagnetic materials conveyed on a belt.

Vibration

FEEDERS, CONVEYORS AND SCREENERS



Heavy-duty Vibratory Feeders are available in eight models for large capacity and difficult material handling operations up to 700 tph (635 mtp). Low energy consuming electro-permanent

magnetic drive, simple controls and AC operation increase productivity and reliability.

High-Volume Mechanical Feeders handle bulk materials in volumes up to 2250 tph (2040 mtp). Low profile minimizes installation headroom requirements. Designed for fast easy maintenance.

CONVEYORS



Highly efficient, high capacity units for the controlled transfer of bulk materials. Compact design presents low profile for minimal headroom installations. Flow rates to 60 fpm (18 mpm) at 600 rpm. Easy access to components for quick maintenance.

SCREEN SEPARATORS



High capacity gyratory screeners for high-viscosity liquid/solid separation, wet or dry separation, and wet or dry classification. Easy operation when tuning to specific feed rates, product and separation requirements. No damping under loads. Long screen life.

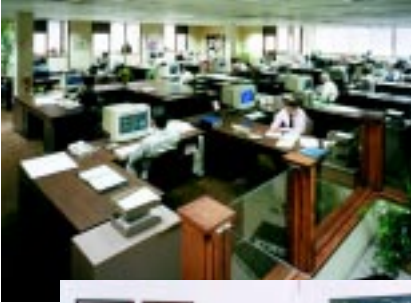
BIN VIBRATORS



Twelve models for applications ranging from small hoppers to large bunkers. AC operated units provide efficient, economical movement of hard to handle bulk materials.



Innovation



STATE-OF-THE-ART ENGINEERING

Computerized systems help improve Eriez efficiency and services throughout the Company. The corporate engineering department's CAD system, with compatible systems in Eriez offices around the world, enables instant access to engineering drawings and information requests from any location. The same designs, drawings, and high quality standards are followed at all plant operations, so that no matter which Eriez manufacturing facility produces the equipment, Eriez customers are assured of quality on a worldwide basis. This is especially important to multinational users of Eriez equipment, who wish to standardize production lines through one supplier.



THE ERIEZ TECHNICAL CENTER

Eriez maintains industry's largest magnetic, vibratory, and metal detection test laboratory at its Technical Center, adjacent to the headquarters plant, in Erie, Pennsylvania, USA. 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. Both feasibility and definitive studies are conducted. Over 100 pieces of specialized test equipment are on hand. Customers are encouraged to participate in the testing. Basic materials separation and material movement test equipment is also available at Eriez affiliates worldwide.



WORLD CLASS MANUFACTURING

Eriez maintains a global perspective through manufacturing facilities at its USA headquarters, as well as in Australia, Canada, India, Japan, Mexico, South Africa and the United Kingdom. To maintain its world class position, Eriez reinvests its profits in modern manufacturing equipment, applied research and development, highly qualified engineering and design staff, and up-to-date testing facilities. Computerized order entry assures consistent quality and timely response on a worldwide basis. Eriez personnel teams reflect the same customer-oriented philosophy of "Right. On Time" no matter where they are located.

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World Authority in Advanced Technology for Magnetic, Vibratory and Metal Detection Applications

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