

**EQUIPMENT
FOR THE
PHARMACEUTICAL
INDUSTRY**



Eriez

is the world leader in the development and manufacture of detection, separation and vibratory equipment for the pharmaceutical 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 pharmaceutical industry maintains strict controls on metal contaminants. To assist pharmaceutical manufacturers in reducing and/or eliminating these contaminants, Eriez offers unique product solutions to prevent these contaminants from reaching consumers.

Eriez offers solutions to customer problems, with superior equipment and services, application know-how, and technical problem-solving in areas of pharmaceutical manufacturing such as protecting sensitive processing equipment and material handling.



Metal Detection

TWO CHOICES OF ELECTRONICS



The E-Z Tec Analog Control utilizes a unique combination of digital circuitry and solid state amplifiers to process the received signal. Its simple design does not require compliance to 21 CFR Part II.

Eriez DSP Control provides a user-friendly interface through a menu-driven digital hierarchy. The digital screen offers alphanumeric displays of all preset functions or reject occurrences as they take place and also records the date and time of product changes.

PACKAGING SYSTEMS



Eriez offers technical expertise when combining metal detection and conveying systems.

Our engineers will design to your specific application requirements.

Metal Detection

TABLET AND CAPSULE



Eriez' E-Z Tec® Pharmaceutical Metal Detector has been designed for the detection and removal of minute pieces of ferrous, nonferrous and stainless steel contaminants.

This highly sensitive, compact designed metal detector system meets stringent FDA standards and accommodates space-restricted areas within tablet and encapsulation rooms.

Eriez' pharmaceutical unit has been engineered with an adjustable sensing head and has one of the largest and easiest to clean product chutes in the industry to optimize efficiency. The adjustable support stand comes with casters and is manufactured from 304 stainless steel.

BULK SYSTEMS



Eriez' E-Z Tec® Low Profile Vertical Drop Metal Detectors are excellent for detection and removal of ferrous, nonferrous and stainless metal contaminants in gravity fed powder or granulated products.

These low profile units accommodate many applications with restrictive height requirements. The combination of a negligible metal-free area and quick acting chute reject valve design provides a minimal height system. The chute valve

comes with a removable side plate for easy cleaning.

Eriez' E-Z Tec Low Profile Systems are manufactured from 304 stainless steel. Each system includes an E-Z Tec Low Profile Metal Detector with a control that can be mounted up to 100 feet (30 m) from the detection head. Also included is a stainless steel support stand and an anti-static, non-metallic pipe with grounding strap, which prevents static build up, and reduces false detections.

TRANSFER CONVEYORS



To convey the inspected product from your Eriez Pharmaceutical System to your storage totes.

Features:

- Stainless steel motorized pulley
- NEMA 4X stainless steel motor starter enclosure with start/stop button

- 8-inch FDA belt with 1-inch flights on 6-inch centers
- Stainless steel inlet hopper with Sanitary I finish
- E-stops
- Variable speed control
- Vertical adjustment

Separation

PLATES, GRATES AND TRAPS



Eriez, the pioneer in permanent magnet applications since 1942, now offers a line of separators more powerful than ever before.

The **Xtreme™** Rare Earth magnetic separators now available from Eriez remove weakly magnetic or very fine iron contaminants from a wide variety of dry bulk or

liquid products. These separators are made with Erium™ 3000, a high quality permanent magnetic power source. Erium 3000, develops a magnetic field which has up to 25 times the magnetic pull of conventional ceramic (barium ferrite) or Alnico (aluminum–nickel–cobalt) magnet materials.

GRATES IN HOUSING

Powerful, permanent magnetic protection against fine and tramp iron contamination in dry, free-flowing products. Designed for simple installation in steep-sloped hoppers, odd and irregular shaped hoppers, floor openings, vertical closed chutes and ducts.

Grate in housing units are available in standard manual cleaning models, easy-to-clean models and fully automatic, self cleaning models.



Grates In Housing can be furnished with standard Erium® permanent magnetic elements, Erium Rare Earth or a combination of both to suit specific applications.

Vibratory Equipment

STANDARD AND 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.

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.

Model HS Feeders are ideally suited for high speed packaging, filling and conveying applications, involving light products. Their unique elastomeric torsion spring, with high damping properties, allows the unit to be operated at .090 inch (2.3 mm) amplitude without danger of spring failure. This elastomeric spring also has extremely rapid decay properties that give Eriez the quickest stop in the industry.

VOLUMATIC FEEDER MACHINES



These one-piece, compact, rugged assemblies are ideal for use in conjunction with weigh scales, packaging and bagging equipment, small batch operations, and where additive feeding is being performed either continuously or intermittently.

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.



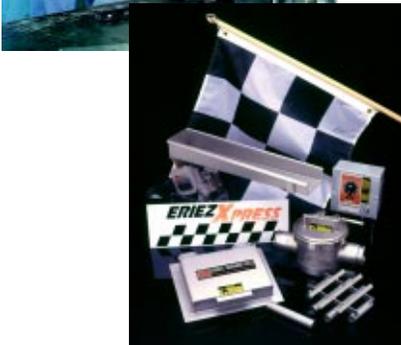
THE ERIEZ TECHNICAL CENTER

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 are 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, Brazil, Canada, China, 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.



EriezXpress — WHEN YOU NEED IT NOW!

In the United States, select from the more than 40 most popular Eriez products including plate magnets, ferrous traps, high speed feeders, small coolant cleaners, lifting magnets and grate magnets — every one ready for next-day shipment.



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

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