



Pharmaceuticals

EQUIPMENT FOR THE PHARMACEUTICAL INDUSTRY





Eriez Programs for the Pharmaceutical Industry

ProGrade Magnets

A full line of low-cost magnetic separators ready to ship. PROGRADE® features magnetic tubes, grates, plates, liquid line traps and grate-in-housings... many available in ceramic, Rare Earth and Xtreme® Rare Earth circuits.

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 tons per hour.

Metal Detector/Conveyor Quick Ship Program

Eriez stocks various sized metal detectors and stainless steel, wash down conveyors 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.

Pull Test Kits – Checks Magnetic Strength

Available with either a digital or mechanical scale, these kits provide everything you need to develop a Quality Assurance program and track the strength of your magnets over time, ensuring optimal separation.

Double Team Tramp Metals

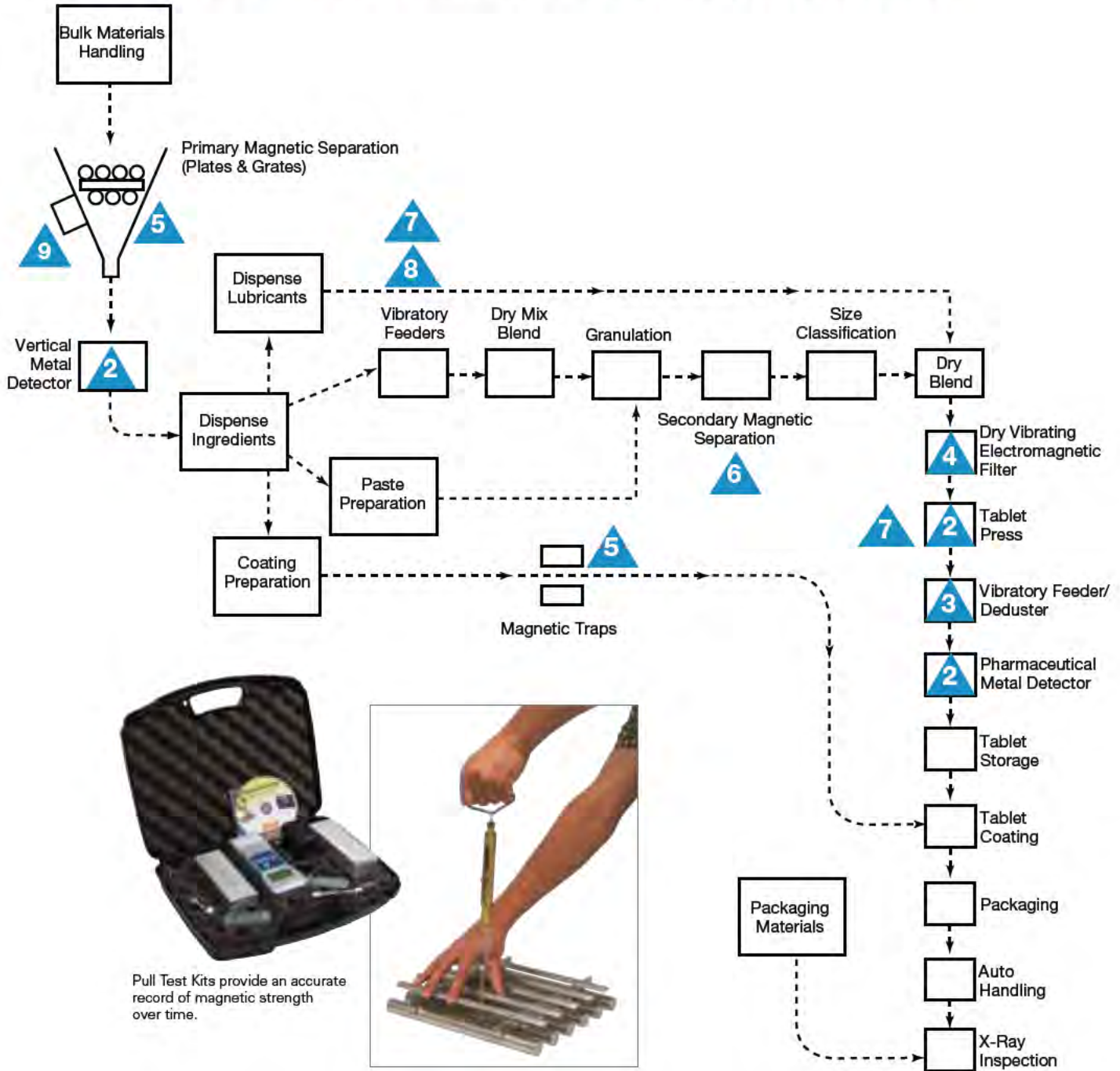
There's no better solution to ensure your product is metal-free than first using magnets for steel removal, followed by Xtreme metal detectors to reject nonferrous metals like aluminum, brass, stainless steel and more.



Application Process Flow

Sample application shown:

Midwest Pharmaceutical Manufacturer



Pull Test Kits provide an accurate record of magnetic strength over time.





POLYMAG[®]

X-Ray and Metal Detectable Additives
 Eriez' FDA compliant, PolyMag[®] additives impart metal detectability, X-Ray contrast and magnetic separation into a range of polymers. We supply these masterbatch additives to molders of returnable plastic containers, pallets, scoops, scrapers, o-rings, conveyor belting, bucket elevators and more. PolyMag[®] additives are typically included at 10% to 20% loadings in moldings and extrusions.

Magnetic Separators

Eriez offers the widest selection of magnetic separators for the pharmaceutical industry...ranging from simple magnetic grates to powerful high-intensity magnetic filters for the ultimate in product purity. Magnetic separators are the first line of defense to remove unwanted steel in the process flow that can damage equipment or contaminate product. Our magnetic equipment fits virtually any type of process including gravity or free-flowing, belt or conveyor fed, pneumatic conveyors and liquid lines. Each type of magnetic separator comes in a range of strengths to ensure your target metal is removed.



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Magnetic Grates

- Remove fine iron from dry, free-flowing products
- Fit square, round, oval and odd shaped hoppers/chutes
- Available in **Xtreme®** Rare Earth and some sizes for Next-Day shipment



Magnetic Plates

- Magnetic strengths include ceramic, Rare Earth and **Xtreme®** Rare Earth
- Protect against medium and small size contaminants
- Can be installed in chutes, spouts, ducts and suspended over conveyors



Magnetic Traps

- Provide magnetic protection for liquid lines and processing equipment
- Preserve product purity
- Remove magnetic scale, rust and fine iron from liquid product flows



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Grates in-Housing

- Available in Rare Earth or **Xtreme®** Rare Earth magnetic material
- Remove tramp iron and small particles from free-flowing products through multiple grate rows in a custom housing



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High Intensity Magnetic Filters

- For ultra pure applications
- Collect micron-size weakly magnetic contamination in high-intensity, high-gradient magnetic matrix

Metal Detectors



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Tablet and Capsule Metal Detector

- Meets stringent FDA standards
- Saves space in restricted areas within tablet encapsulation rooms
- Adjustable sensing head has large, easy-to-clean product chutes



Xtreme® Metal Detectors

- Highest level of sensitivity available
- Detects 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 - Conveyor System

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

Vibratory Feeders

Eriez offers a wide range of vibratory feeders specifically for the pharmaceutical industry. All electromagnetic drives are extremely energy efficient, require low maintenance due to no rotating parts, and can be mated with a range of easy to clean sanitary trays. Our compact electromagnetic drives and feeders are suited for high-speed packaging applications, feeding difficult products such as powder, gummy products, and high material load applications.



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Vibratory Feeder/Deduster

- Low-profile, electromagnetic design provides precise feeding
- Effectively removes nuisance dust from tablets and capsules when coupled with dust control system



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Standard and High Speed Vibratory Feeders

- For fast travel speeds and quick stopping
- Ideal for accurate mixing, weighing, packaging, and bagging operations
- Wide range of standard feeders
- Sanitary trays and easy clean-out
- Class II hazardous duty models available



Custom, compact, incline conveyor systems integrate Eriez metal detector for tight spaces

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Volumatic Feeder Machines


- Consists of hopper, vibrator, feeder and controls
- Accurate flow of dry bulk materials
- For weight scales, packaging, bagging, and other small batch operations



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Bin Vibrators

- For hard to handle bulk materials
- Installed on small to large hoppers and chutes
- Energy efficient electromagnetic and mechanical rotary models available



*Eriez' worldwide 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 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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