



# GLOBAL SOLUTIONS

## NEWS RELEASE



*For Immediate Release*

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**News for the Chemical Processing Industry**

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### Eriez® Magnetic Separation Equipment is Solving Unique Chemical Processing Challenges



Erie, PA—The [chemical processing industry](#) relies on magnetic separation products to recover fine iron contamination and reduce product wash off. The Eriez® [Xtreme® RE7 Rare Earth circuit](#), which is now incorporated in the company's tube and grate magnets, is proving its effectiveness in conquering these processing challenges in chemical plants worldwide.

According to Eriez, the introduction of [RE7](#) has had a direct impact on chemical product purity and productivity. The RE7's high gauss is ideal for chemical applications, where the level of inspection or ability to attract small metal pieces is most demanding. "This technology surpasses previous models and competitive units with greater holding force, higher gauss and improved separation efficiency," says Eriez Light Industries Market Manager Eric Confer.

"There are vast differences in chemistry among polymers, acids, rubbers, plastics, wet and dry chemicals and essential factors to consider when choosing magnetic separation equipment," Confer says. He notes that, for example, [Eriez Dry Vibrating Magnetic Filter \(DVMF\)](#) is specifically designed to remove extremely fine iron contaminants from fine powders such as lithium. Chemical producers pulverize lithium before it goes to the user as a very fine powder.

Eriez offers a variety of [grate magnets](#), [plate magnets](#), [grates-in-housing](#) and [tube magnets](#) for the majority of dry chemical applications. Product particle size determines which magnetic separator is most effective in removing fines and tramp iron, according to Confer.

The company also offers a series of magnets for wet chemical applications which require the removal of fine to large ferrous contamination. Selection is based on the diameter of the pipeline, the slurry or density of the liquid, the pressure of the flow and the required installation position.

Confer explains, "As an example, a [U-trap](#) is recommended when a liquid containing five or more percent solids is present. A High-Intensity Magnetic Filter may be specified for applications where a higher quality end product is required."

-More-

To learn more about Eriez' line of magnetic separation equipment for chemical applications, visit <http://erieznews.com/nr532>.

Eriez is recognized as world authority in separation technologies. The company's magnetic lift and separation, metal detection, fluid recycling, flotation, materials feeding, screening, conveying and controlling equipment have application in the process, metalworking, packaging, plastics, rubber, recycling, food, mining, aggregate, textile and power industries. Eriez manufactures and markets these products through 12 international subsidiaries located on six continents. For more information, call (814) 835-6000. For online users, visit [www.eriez.com](http://www.eriez.com) or send email to [eriez@eriez.com](mailto:eriez@eriez.com). Eriez World Headquarters is located at 2200 Asbury Road, Erie, PA 16506.

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