



*For Immediate Release*

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**News for the Minerals Processing Industry**

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### **New Eriez® White Paper Reveals Best Solution for Removing Magnetic Contaminants from Lithium and Other Fine Powders**



Erie, PA—A new Eriez® [white paper](#)--developed specifically for hard rock mining industry professionals--explains how the company's revolutionary [high-intensity Dry Vibrating Magnetic Filter \(DVMF\)](#) removes very fine iron-bearing contaminants from hard-to-flow powders, such as lithium, to produce higher quality end products. The paper describes the state-of-the-art design of this unique filter and how this technology is proven to be the most effective separation process for hard rock mining lithium applications.

"Hard Rock Mining: High-Intensity Dry Vibrating Magnetic Filter (DVMF) Removes Fine Iron-Bearing Contaminants Found in Lithium and Other Hard-To-Flow Powders," was written by Eriez Mining and Minerals Processing Director Jose Marin. According to the paper, the [DVMF](#) is ideal for both lithium producers and users. Typical DVMF applications include fine sand, glassmaking, talc, clays and various other finely divided industrial minerals and chemical products.

The [white paper](#) features application photos, diagrams and equipment cutaway illustrations to complement and enhance the informative technical information. Readers walk away with a complete understating of how the [DVMF](#) operates.

The [paper](#) provides an in-depth description of how the [DVMF](#) utilizes a high-intensity electromagnet and flux converging matrix. The matrix amplifies the magnetic field and provides high-gradient collection sites for the magnetic material as the feed materials filter through. The canister is attached to dual high-frequency, low-amplitude vibratory drives. These drives deliver a strong vibratory action to the canister assembly which enhances the fluidity of very fine powders, resulting in a smooth and even flow of product through the matrix grid.

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Marin says that field results prove the [DVMF](#) offers the most effective separation process for hard rock mining lithium applications. He explains, “Eriez 5,000 gauss strength DVMFs reduce contamination to parts per billion, rather than parts per million. These results are a real breakthrough in terms of magnetic contaminant removal in hard rock mining.”

To learn more about Eriez DVMFs and download this white paper, visit <https://www.eriez.com/dvmf>.

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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