
White Paper

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Eriez® Eco-Certified Program Designates Products and Technologies that are Environmentally-

TITLE: Friendly and Economical to Operate

AUTHOR: Eriez

DATE: March 11, 2013



Eriez® Eco-Certified Program Designates Products and Technologies that are Environmentally-Friendly and Economical to Operate

Eriez® devised its Eco-Certified “Go Green with Orange”® Program with its core commitment to the recycling industry in mind. However, the company’s thinking goes even deeper. It springs from its founders and its first product.

For Eriez, a company that built its corporate success on the application of eco-friendly permanent magnets to industries as divergent in scope as food and coal, pharmaceuticals and auto scrap processing, Eco-Certified represents Eriez’ sincere commitment to sustainability.

Eriez Eco-Certified products and technologies blend affordable operation with the eco-systems we have come to appreciate in our world. Eriez Eco-Certified Program is part of the company’s dedication to be the best possible steward of the environment. This white paper covers Eriez and defines Eco-Certified.

Corporate Commitment

With its rich history with permanent magnets, it was an easy matter for Eriez to commit its corporate culture to sustainability and innovation for the recycling industry. Permanent magnets seemingly last forever, and if they don't, Eriez has the ability to bring permanent magnets back up to their strongest magnetic attraction levels.

Researchers at the Eriez Technical Center search for the best Eco-Certified solutions when testing materials sent from companies across the globe. Eriez 5-Star Service® Center puts older equipment, otherwise destined for landfill, back into production. Re-use is an important aspect of Eriez' Eco-Certified Program.

In the plant, Eriez recycles metals through Liberty Metals, an Erie, PA-based processor and broker of scrap metals that has partnered with Eriez to develop some of the most creative ideas that are currently leading the recycling industry. In addition, the Eriez Headquarters plant recycles its waste, focuses on saving paper by becoming more digital and trains employees to reduce, reuse and recycle.

Eriez is genuinely Eco-Certified as a company.

Permanent Magnets

Eriez plates, grates and traps in standard or sanitary construction are the heart of any separation system for protecting product purity through various stages of processing. Permanent magnets require no energy to function, so they are by definition “green products.” The fact that they remove contaminants from products, particularly from the food we eat, position permanent magnets as a natural solution to food and product purity challenges around the world.

Other non-permanent magnet products can accomplish similar results, but their performance and cost of operation make them less desirable. Only permanent magnets are Eco-Certified.

Energy Savings from Electromagnetic Feeders

Another expression of Eco-Certified are the A, B, C, HS and HD Series Feeders Eriez manufactures.

Marrying permanent magnets with an AC electromagnetic drive offers significant energy savings over traditional DC-powered drives. The simplicity of a drive powered by alternatively magnetic forces assures low maintenance. Power consumption is low. Rectifiers are not required; and feeders are simply wired into AC lines.

Recycling Products

Eco-Certified has two meanings to the recycling industry. First, the innovative systems Eriez creates provide a standard of economical performance that translates into more profits for scrap yards. From a second point of view, Eco-Certified reflects the field testing and close partnership position that Eriez assumes with its recycling customers. These customers are the people who determine whether an Eriez product should be Eco-Certified. Products that don't meet established performance criteria do not receive the Eco-Certified designation.

Eriez equipment, either as individual units or complete systems, is designed for the most efficient and economical processing of municipal solid waste, comingled recyclables, shredded automobiles, electronic scrap, glass cullet, plastic (PET), foundry sand and many other resource recovery operations. All Eriez recycling products are designated as Eco-Certified.

Eriez recycling products include RevX-E™ Eccentric Rotor Eddy Current Separators; FinesSort™ Metal Recovery Systems; P-Rex™ Permanent Magnet Scrap Drums; ProSort Metal Recovery Systems; and DensitySort™ Metal Recovery Systems. More are coming soon from Eriez' continued research and development.

Metalworking Fluid Recycling

One of Eriez' recent acquisitions, HydroFlow, adds a new dimension to the Eco-Certified family of products.

With Eriez HydroFlow, Eriez has become a leader in comprehensive coolant and fluid management technology. These industrial filtration and fluid recycling systems maximize coolant effectiveness and longevity while improving machine tool productivity and reducing disposal costs.

Breakthrough products such as the new mobile SumpDoc™ Machine Tool Fluid Recycling System as well as the Eriez HydroFlow Centralized Fluid Recycling Systems provide customers two vastly different platforms for their operations. In either case, the economic advantages stem from either the elimination of downtime and savings from the re-use of fluids, or both. The less fluid that is needed, the less chemical waste produced.

PolyMag® Systems

The Eriez PolyMag® Separator and systems provides an efficient way to separate plastic regrind containing the PolyMag additive from other resins, thereby reducing material waste and disposal costs.

Eriez customers are realizing a savings in terms of higher cost plastics and others see the use of the detectable PolyMag resin as a way to trace errant plastics in food, pharmaceutical and other products. Eco-Certified. Yes, PolyMag® is just that.

Conclusion

What is EcoCertified? It is Eriez' corporate commitment to the environment. It is Eriez' sustainability philosophy in a single, compound word. It describes the Eriez partnership with the recycling industry, and its desire to supply products that save energy and make our world a better, safer place. And, it all started with Eriez permanent magnets.

Eriez is recognized as world authority in advanced technology for magnetic, vibratory, inspection and flotation applications. The company's magnetic lift and separation, metal detection, x-ray, materials feeding, screening, conveying and controlling equipment have application in the process, metalworking, packaging, plastics, rubber, recycling, mining, aggregate and textile industries. Eriez manufactures and markets these products through 12 international facilities located on six continents. For more information, call toll-free (888) 300-ERIEZ (3743) within the U.S. and Canada. For online users, visit www.eriez.com or send email to eriez@eriez.com. Eriez World Headquarters is located at 2200 Asbury Road, Erie, PA 16506.

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