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Eriez® Eddy Current Separators Allow PET Flake Recyclers to Obtain High Purity and High Yield

The recycling of beverage containers made from polyethylene terephthalate (PET) is garnering higher purity and yield with high speed, high strength eddy current separation technology from Eriez®. Eriez' newest line of Eddy Current Separators deliver exceptional nonferrous particle separation from PET flake. Recyclers can obtain a single pass aluminum reduction up to 92 percent and achieve a clean PET yield of 97 to 99 percent. According to studies conducted by Eriez, a one percent improvement in good product yield can save a company up to $230,000 in recycled PET annually with a 60-inch wide Eddy Current Separator. Once the PET is purified, it can be re-used to make fiber, banding, or blended to make recycled content beverage and food containers. Recycled PET can be utilized in such diverse products as carpet, beverage containers, clothing, auto parts, tool handles and sleeping bag insulation. Watch a video spotlighting Eriez' Eddy Current Separator removing nonferrous metals from PET bottles and paper.

PM Rare Earth Magnetic Grates-In-Housings

PM Grates-in-Housings complement the wide array of Grate Magnets Eriez offers. PM Grates-in-Housings are ideal for removing ferrous contamination in plastic pellets, flake and regrind prior to the injection molding machine, extruder or compounding equipment. These advanced Grates effectively prevent costly equipment damage while improving product purity. They also remove fine ferrous material that can plug tiny hot runners and valve gates or damage calendar rolls. These powerful magnets can even capture and hold pellets with encapsulated ferrous particles.

Metalarm™ Eagle™ Metal Detector

The Eagle Metalarm Metal Detector uses pulse induction technology that offers balance coil detection sensitivity and performance. Higher detection sensitivity ensures that even the smallest tramp metal can be detected, thus providing better protection for shredders and granulators. The Eagle is used where higher sensitivities are required, and is capable of detecting a ferrous sphere equal to two percent of the aperture height.

Free Plastics Industry Literature

Eriez announces the availability of the company's free brochure, "Plastic Industry Profits with Eriez Products." The two-page piece details four plastic industry case studies to explain how Eriez equipment helped the companies solve problems, reduce downtime and ensure product purity. A wide array of state-of-the-art Eriez equipment for the plastics industry is featured throughout the brochure. To download the literature in PDF format, click here. For a hard copy, contact Eriez and request brochure B-104.

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