SOLUTIONS FOR
RECYLING INDUSTRIES

Subscribe to Newsletter

Eriez® Equipment Helps Central Recycling Remove Contamination from Cullet

At Central Recycling Co-op (CRC) of Elmira, NY, aluminum cans and plastic bottles are baled and glass is sorted by color and crushed. Previously, CRC simply sold the recycled glass, which was contaminated with metal and paper, to a glass crushing facility. In 2005, CRC built a glass processing facility and began processing crushed glass (cullet), producing a "furnace ready cullet" that was sold directly to glass bottle manufacturers, which enabled a larger profit. Eriez equipment, including a Magnetic Separator, Metal Detector, Eddy Current Separator, and two Vibratory Screeners, plays an integral role in ensuring that CRC's cullet is contaminant-free. At each system station, the cullet is further purified. If the screener misses a contaminant, it is removed by the magnet. If anything passes the magnet, the metal detector detects it. Finally, the eddy current separator ensures the cullet is as "pure" as it can be. Material that is screened off is removed from the system and re-run to recover as much of the glass as possible. The final screenings after the re-run are discarded.

Eriez Equipment at CRC Facility

CleanStream™ Process

Eriez' CleanStream™ Process incorporates the brute-force power of the P-Rex® Scrap Drum with the new Shred1™ Ballisitic Separator, which produces a #1 Shred (<.17% Cu). The CleanStream Process produces the highest quality melt by separating clean ferrous from other materials. Besides improving both ferrous recovery and ferrous grade, the CleanStream Process also will reduce the number of hand sorters required on the processing line; this results in improved profitability for the recycler. Plus, with the Eriez CleanStream Process, x-rays, gamma rays and other expensive and delicate techniques are no longer necessary. Read more about the CleanStream Process in *Recycling Today* by clicking here.

ProSort II Airless Metal Recovery Systems

Eriez' ProSort II includes all of the advanced features of the original ProSort, but with twice as many sensors per paddle. The new inverted paddle design means better detection of both larger and smaller metallics--even some wire! It helps reduce landfill waste, re-use metals and save energy. ProSort II is designed for the most efficient and economical processing of shredded automobiles, co-mingled recyclables, electronic scrap, glass cullet, foundry sand and many other resource recovery operations. With ProSort II, no air compressor plant is required, it offers low operating and maintenance costs and performs superiorly in cold weather. Click here to see a video of ProSort II in action.

FinesSort® Fines Metal Recovery System

FinesSort® Metals Recovery System is the ultimate in fine particle metal reclamation. FinesSort's series of powerful magnetic components recover valuable ferrous and nonferrous metals from the fines waste stream in scrap yards, not only reducing the amount of waste destined for landfill, but reclaiming thousands of pounds of metals per day. FinesSort recovers metals less than one-inch in diameter and offers payback in as little as six months. To view a video of the innovative FinesSort Metal Recovery System in operation, click here.

Join Our Community

LIKE US ON FACEBOOK
FOLLOW US ON TWITTER
WATCH US ON YOUTUBE
VISIT THE ERIEZ WEB SITE

Other Featured Items

Electromagnetic Pulleys
http://en-us.eriez.com/Products/Recycling/ElectromagneticPulleysRecycling/

5-Star Service®
http://en-us.eriez.com/products/service/

Have a question? send us an e-mail.