



ORANGEREPORT

RECYCLING INDUSTRY

Central Recycling Removes Contamination from Cullet with the Help of Eriez® Equipment



ERIEZ EQUIPMENT AT CRC FACILITY

Problem:

At Central Recycling Co-op (CRC) of Elmira, NY, aluminum cans and plastic bottles are baled and glass is sorted by color and crushed. Until a few years ago, CRC simply sold the recycled glass, which was contaminated with metal and paper, to a glass crushing facility. CRC knew that if they could remove the contamination, it would enable them to make a profit by selling uncontaminated cullet directly to bottle manufacturers at a higher price.

Solution:

In 2005, CRC built a glass processing facility and began processing crushed glass (cullet), producing a “furnace ready cullet” sold directly to glass bottle manufacturers. Eriez equipment plays an integral role in ensuring that CRC’s cullet is free of contamination. Eriez equipment used in CRC’s process includes a [Magnetic Separator](#), [Metal Detector](#), [Eddy Current Separator](#) and two [Vibratory Screeners](#). At each “station” of the system, 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.

Result:

Since opening its glass processing facility, CRC’s cullet sales have doubled. CRC management says that their customers tell them CRC cullet is the best they’ve ever seen. By utilizing Eriez equipment, CRC can offer higher quality cullet, making them more profitable.

Note: Some safety warning labels or guarding may have been removed before photographing this equipment.

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Web Site: <http://www.eriez.com> | e-mail: eriez@eriez.com

Telephone 814/835-6000 • 800/345-4946 • Fax 814/838-4960 • International Fax 814/833-3348

HEADQUARTERS: 2200 Asbury Road, Erie, PA 16506-1440 U.S.A.

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