

ERIEZ



SHRED1™ BALLISTIC SEPARATOR

PRODUCES A PREMIUM LOW-COPPER SHRED



ERIEZ
GLOBAL LEADER IN SEPARATION TECHNOLOGIES

About Eriez

Established in 1942, Eriez stands as a pioneering force in separation technologies, embodying a truly global presence.

With 12 wholly owned subsidiaries spread across the globe, we proudly design, manufacture, and support our magnetic separation, flotation, metal detection, and material handling equipment on an international scale.

Our dedicated team of knowledgeable and experienced sales engineers collaborates closely with customers, understanding their unique challenges to deliver dependable, high-performance equipment, systems, and solutions.

Whether clients require our standard equipment or bespoke solutions tailored to their precise specifications, Eriez delivers.

Drawing from more than 80 years of experience across diverse industries, including mining and minerals processing, food processing and packaging, aggregates, metals recycling, and many other sectors, Eriez leverages its extensive experience to design and supply products that elevate productivity, efficiency, and product purity.

Eriez remains steadfast in its commitment to setting the global standard for excellence in key technologies, driving innovation and reliability across industries worldwide.

Shred1™ Ballistic Separator



Shred1™ from Eriez uses a combination of magnetics and ballistics to efficiently separate iron-rich ferrous from much of the mixed metals post-drum magnet flow. This new separator delivers two distinct fractions: a premium low-copper ferrous product (in the range of 0.16-0.20% cu) and a traditional #2 shred.

The **Shred1** ballistic separator combined with a Poker Sort to extract long, troublesome poker, and a P-Rex™ permanent rare earth magnetic drum improves the entire process. Not only does this process generate a consistent low-copper premium shred, but it also reduces the hand picking and helps increase recovery of copper bearing materials.

Automatically Produces a Premium Low-Copper Shred

- Produces a premium #1 low-copper shred
- #1 shred contains less than 0.2% copper
- Reduces picking labor
- Removes concealed copper

The Value of a Premium Ferrous Product

Worldwide demand for steel is on the rise. Scrap processors that are able to supply steel mills with a very high-grade ferrous product are positioned well for the future.

However with a decline in availability of pure, high-quality industrial scrap, processors are shredding more “consumer scrap” than ever before. Post-consumer scrap, items like autos and appliances, contain motors, condensers, wire harnesses as well as cast aluminum pieces; all of which have steel housing, shafts or cores. This presents a big problem for most yards using current processing technology. This ferrous process changes this dynamic and allows processors to differentiate themselves with a premium ferrous shred and demand a higher value per ton.



Fraction 1

The first fraction is a high value, low-copper content ferrous product worth considerably more than a traditional #2 grade fraction. Demand for this premium product is on the rise.

- Produces low-copper shred
- 70-80% of flow
- Contains less than 0.2% copper



Fraction 2

This second fraction represents less than 25% of the flow and contains mostly mixed metals, copper/steel housings or cores. Hand sorting can be accomplished with relatively few pickers. Increased copper recovery can also be realized.

- Produces #2 shred
- Copper/Steel
- Less than 25% of flow
- Aluminum/Steel

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HEADQUARTERS

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