



ORANGEREPORT

RECYCLING INDUSTRY

Mega Shredder Requires Mega Separator



ERIEZ DRUM MAGNET

Problem:

[Trademark Metals Recycling](#), the largest full service metal recycler in the Southeast, purchased a 7,000-horsepower "mega shredder" at the Tampa port. The shredder cuts cars and other ferrous (iron-based) scrap for shipment to Mexico. The size and volume of the downstream run of scrap coming off the new shredder required a special ferrous metal separator.

Solution:

Trademark Metals called on Eriez® to recommend an application-specific drum magnet solution. The [Drum Magnet](#) specified for the mega-shredder was an electro-agitator type, which utilizes a deep field rectangular-core pickup magnet to reach out and grab the ferrous material, and a second rectangular-core agitator magnet to flip or agitate the ferrous material, cleaning it of contaminants such as loose mud, paper, fluff and trash. Trademark's two Eriez 60" diameter Electro Agitator Drum Magnets were installed over a 96" wide vibratory shaker. Custom built for this width, they are some of the largest Drums used in shredder yards today.

Result:

Trademark's mega shredder, which has the capacity to shred 25,000 - 30,000 tons per month, doubled the capacity of the yard's old shredder. Eriez Electro Agitator Drum Magnets, installed downstream, are an important component in Trademark's process. The Electro Agitator Drum Magnets improve ferrous recovery and purity, while operating reliably.

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

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