



ORANGE REPORT

RECYCLING INDUSTRY

FinesSort® Jr from Eriez® Helps Clayton County Recycling Secure Higher Recovery on Small Fines



FinesSort® Jr Metals Recovery System

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

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Problem:

Clayton County Recycling (CCR) began in 1988 in Belmont, Wisconsin as a one-yard auto scrap salvage operation. In 1994, CCR expanded with the purchase of 10 acres of cornfield adjacent to a railroad line in Monona, Iowa. Today, the company owns feeder yards in Madison, Holmen, and Wonewoc, Wisconsin, along with the original yard in Belmont. In 2006, a shredder went online in Monona, allowing CCR to become more than a shearing, sorting and baling yard. They installed one eddy current separator, giving them the ability to recover nonferrous metals, but still needed something else for nonferrous fines one-inch and smaller.

Solution:

After some analysis and investigation into CCR's operation, Eriez engineers developed a unique smaller scale metal recovery system to handle one-inch and smaller fines. The new [FinesSort Jr.®](#) was installed in fall 2009. Essentially, the FinesSort Jr. is built with a 24-inch [AIP Pulley](#) and a 60-inch Xtreme® [Eddy Current Separator](#). This design was more than adequate for CCR to recover one-inch and smaller nonferrous fines in one pass while using a separate eddy current separator to recover larger particles.

Result:

CCR now processes up to 30 tons of fluff per hour, with the fines going directly to the FinesSort Jr. and the remainder of the fluff going to the original eddy current separator. The product off the recovered fines is so clean that CCR is able to get a premium price for the material. The CCR crew has re-run the rejected material and can find no significant amount of metal on the second pass. With the the FinesSort Jr. in place, CCR is confident they are not sending any appreciable amount of metal or profit to the landfill.

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