New Eriez® Sorter Uses Artificial Intelligence to Sort Nonferrous Fines by Vision

Erie, PA—The new Eriez® NanoRanch A.I. (Artificial Intelligence) Sorter uses vision to identify and sort a vast and customizable range of nonferrous materials, providing greater than 95 percent accuracy when the machine is trained with samples. Introduced at the 2019 Institute of Scrap Recycling Industries (ISRI) Convention and Exposition, this innovative sorter is already garnering significant interest from the industry.

Eriez Recycling Market Manager Mike Shattuck says, "There was a lot of excitement around our ISRI booth, with a constant flow of visitors interested in our new A.I. Sorter." He adds, "The inquiries we have received since the close of ISRI are proof the buzz extended beyond the show floor. Scrap industry professionals are intrigued by the new capabilities and earning potential the Eriez NanoRanch A.I. Sorter can bring to their operations. In fact, after seeing it run at ISRI, a major scrap recycler committed immediately to field testing an A.I. Sorter with enhanced production capabilities."

Inspired by natural vision and featuring the speed and reliability of a computer, the Eriez NanoRanch A.I. Sorter can sort a wide range of materials, including coins from zebra, reds from whites and printed circuit boards (PCBs) from zurik or zorba. Shattuck explains, "The separations we are talking about right now are really just the tip of the iceberg. We are excited to meet with customers to discuss how the A.I. Sorter can conquer their separation challenges and create new revenue streams for them."

Shattuck says that one obvious application for the Eriez NanoRanch A.I. Sorter involves the 12 million automobiles that become scrap each year. He states, "Some recycling industry experts speculate there is an average of around $1.50 in coins in each of these automobiles, a combination of quarters, dimes, nickels and pennies. That means a huge market exists there."

The Eriez NanoRanch A.I. Sorter has a capacity of 1,000 lbs. per hour and handles materials from .5 to 1-inch. Eriez currently offers a 20-inch standard A.I. Sorter unit which includes a common frame, control, feeder, splitter and discharge chutes. The company says it will expand the line in the near future to add units in other sizes.

Eriez developed this revolutionary A.I. Sorter in partnership with UHV Technologies, Inc., a high technology company dedicated to the development and commercialization of advanced materials and devices. Shattuck says, "Our ongoing commitment to partnering with innovators such as UHV Technologies helps Eriez remain on the leading edge of technology to revolutionize the recycling industry."

For more information about Eriez NanoRanch A.I. Sorters, visit http://erieznews.com/nr480info. To learn about Eriez' full line of equipment for the recycling industry, go to http://erieznews.com/nr480.

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Eriez is recognized as world authority in separation technologies. The company's magnetic lift and separation, metal detection, fluid recycling, flotation, materials feeding, screening, conveying and controlling equipment have application in the process, metalworking, packaging, plastics, rubber, recycling, food, mining, aggregate and textile industries. Eriez manufactures and markets these products through 12 international subsidiaries located on six continents. For more information, call (814) 835-6000. For online users, visit www.eriez.com or send email to eriez@eriez.com. Eriez World Headquarters is located at 2200 Asbury Road, Erie, PA 16506.

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