Electrocycling uses Sesotec Sorting Systems for Color and Metal Separation in the Recycling of Waste Electrical and Electronic Equipment

Electrocyling GmbH operates one of Europe’s biggest and most modern recycling plants for waste electrical and electronic equipment. The company’s range of services includes a practical closed recycling system for waste electrical and electronic equipment that efficiently meets all the logistic, technical and legal requirements of the Electrical Equipment Act and the WEEE directive. This allows Electrocycling to provide an individual disposal concept for every customer.

The company’s continuously refined process technology...
always has had the objective of recovering the raw materials that are contained in electrical equipment and at the same time removing dangerous materials.

Electrocycling by now has recycled more than 500,000 tons of waste electrical and electronic equipment, continuously advancing and improving their process technology.

Since the end of 2014 Electrocycling has been using a Sesotec WEEE-SORT sorting system that was designed specifically for applications in electric/electronic waste recycling.

Operating with a combination of different sensors the WEEE-SORT sorting system recovers valuable secondary raw materials and simultaneously removes unwanted materials. Because of the modular concept of individual sensors the WEEE-SORT system can be flexibly adapted to different sorting tasks.
The WEEE-SORT system operating at Electrocycling is equipped with sensors for color and metal separation from pre-shredded electric/electronic waste. Depending on the sorting task the WEEE-SORT system at Electrocycling is used for the recovering of plastics from a metal fraction. Then the printed circuit boards are separated from the metal fraction. Another sorting solution is the separation of copper and aluminium.

Hannes Fröhlich, project engineer at Electrocycling, about the Sesotec WEEE-SORT system: "With the WEEE-SORT system we managed to produce the targeted product qualities already after a short familiarisation phase. With this system both the sorting of plastics from a shredder fraction and the color sorting of non-ferrous metal mixtures of different fractions are possible with good results. When we purchased this machine, some applications did not even occur to us. Cooperation with Sesotec is good and always solution-oriented."