

A wide-angle photograph of a large industrial recycling plant. The facility is characterized by blue and white metal buildings and complex machinery, including conveyor belts and sorting systems. In the foreground, several blue and yellow containers are parked, and a green truck is visible. The background shows a hilly landscape under a clear blue sky.

Electrocycling uses Sesotec Sorting Systems



ELECTROCYCLING GmbH (Germany)

Product:

WEEE-SORT

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

Electrocycling 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.

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



The Sesotec sorting system VARISORT (WEEE-SORT version) is specially designed for electric/electronic waste recycling applications.

Since the end of 2014 Electrocyling 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 Electrocyling 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 Electrocyling 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 Electrocyling, 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."

Sesotec - an overview

The Sesotec group is one of the leading manufacturers of machines and systems for contaminant detection and material sorting. Product sales primarily focus on the food, plastics, and recycling industries. Sesotec's global presence includes subsidiaries in Great Britain, Singapore, China, USA, France, Italy (2), India, Canada, Thailand, a representative office in Turkey, and more than 60 partners all over the world.

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