

STEINERT is presenting 4 new products at RWM 2024

As a leading provider of sorting solutions in metal and waste recycling, STEINERT is presenting four new sorting systems and add-ons all at once at RWM.

New product 1: STEINERT PLASMAX | LIBS allows three products to be sorted in one cycle

The latest development from STEINERT enables efficient separation of aluminium scrap into three different sorted products. With a high processing capacity and three material discharges at the same time, the new STEINERT PLASMAX | LIBS makes what is probably the most efficient processing of high-grade aluminium scrap possible and therefore meets all current industry standards. The novel multi-spot analysis ensures optimum and reliable detection using several laser measurement points at the same time.

Karl Hoffmann, Global Sales Director Metal Recycling at STEINERT, summarises what drove the development: "Precise sorting of aluminium alloys with the STEINERT PLASMAX | LIBS delivers quality levels that produce an excellent basis for the increase in demand for recycled aluminium. Given the need to decarbonise the automotive industry and its supply chains, greater use of high-grade recycled materials is essential."

New product 2: More throughput and proven sorting quality for bulk material with UniSort Finealyse+

As a powerful addition for demanding applications, the UniSort Finealyse+ complements the proven UniSort Finealyse for sorting fine-grain bulk material. Specially designed for sorting plastic mixes, copper scrap and heavy metal and non-ferrous metal concentrates, it has numerous new features.

The most of these are the working width, which is almost double in size, the higher throughput rates and a new split functionality for simultaneous multiple sorting processes on one machine. A core element of the detection unit is the sensor combination of high-resolution near-infrared (NIR) and colour camera technology. Based on hyperspectral imaging (HSI), NIR camera technology combines maximum spatial and spectral resolution. The additional colour camera records further visual material properties at the same measuring point and ensures stable and precise detection in combination with an automatic white balance.

New product 3: Incineration bottom ash add-on for STEINERT eddy current separators smooths out variable material properties

Splitcontrol, the latest add-on for STEINERT eddy current separators, optimises the sorting quality of incineration bottom ash and additional fine-grain applications. Changes in the material properties, such as residual moisture, can be counteracted with this automatic control technology. Splitcontrol ensures consistently high yield rates and high operational stability. Manual interventions for splitter correction can be reduced to a minimum.

New product 4: Higher quality of ferrous concentrates and removal of impurities

The STEINERT UMP multi-pole is the innovative solution for enriching or cleaning ferrous concentrates. Through the use of alternating magnetic poles, non-magnetic impurities are effectively removed, meaning that the quality of non-ferrous fractions is improved. Copper losses in ferrous concentrates can be significantly reduced in Waste Electrical and Electronic Equipment (WEEE) applications. This technology is easy to integrate in existing systems and offers a cost-effective alternative to conventional cleaning methods.

Visit us at RWM 2024 booth ME-C252



*Caption: UniSort Finealyse®+ for sorting fine-grain bulk material like plastic mixes, copper scrap and heavy metal and non-ferrous metal concentrates.
Photo: STEINERT*



*Caption: A new benchmark for sorting aluminium alloys - STEINERT PLASMAX® | LIBS
Photo: STEINERT*

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About STEINERT

STEINERT has a 135-year history. The Cologne-based family-run business is one of the world's leading experts in sensor sorting and magnetic separation for waste and metal recycling, and mining. With 480 employees, STEINERT generates an annual turnover of approximately EUR 180 million. In addition to 50 sales partnerships and joint ventures around the globe, the company has subsidiaries in Germany, Australia, Brazil and the USA.