



FinesMaster

> The perfect solution for recycling fine metals

The FinesMaster from STEINERT: Fine metals recycling in a single system

Extra revenue for metal processors

The processing of fine-grain material has become a popular recycling business in recent years. With separate magnetic drums and magnetic head pulleys, and the NES non-ferrous separator, STEINERT has been offering successful solutions in this field for several years.

The FinesMaster now offers a complete system concept without the need to add any interfaces, installations or control equipment. It is STEINERT's complete solution for increased efficiency, control and adjustment needed in the sorting of fine metals.

FinesMaster – the compact modular solution

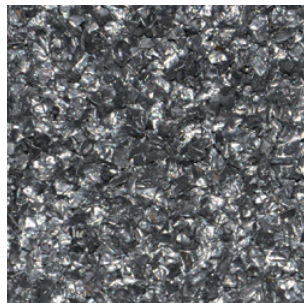
What makes the FinesMaster special is the fact that it unites proven modular solutions into a single, compact unit. Module 1 is a two stage magnetic separator (MRB) which recovers small iron and also separates out ferrous dirt as semi-magnetic waste. Module 2 contains the NES 6119 high-frequency eddy current separator with its unique eccentric and adjustable pole system for the recovery of fine non-ferrous metal. The FinesMaster works best in the range of 1 to 25 mm (1/25 to 1 inch) – a range where most eddy current systems have trouble recovering non-ferrous.

Upstream fine iron sorting

The way the FinesMaster works is very simple: an upstream low intensity magnetic drum begins by lifting small, clean iron out of the stream of materials. The downstream, fast-running neodymium belt separator loosens the material up and removes any slightly magnetic waste. This reduces the volume in the eddy current separator by about 30%.

Efficient non-ferrous extraction using an eccentric pole system

Proven in operation for 25 years with more than 3,500 units sold, the eccentric pole system in the STEINERT non-ferrous separator prevents damaging iron particles from adhering and concentrates power where it is needed. The system's adjustability increases the yield by another 50%. Altogether the best possible conditions for obtaining a ready-to-sell non-ferrous product in the famous STEINERT quality.



FinesMaster – benefits worth looking at

- Compact, integrated system using proven individual components
- Non-ferrous separator with reliable, eccentric, adjustable pole system
- Up to 50% higher yield as other Eddy Current Separator
- Highly concentrated metal products
- Fast belt speed (3.2 m/s; 10.5 ft/sec) spreads the material and ensures increased removal of waste
- Low metal losses
- Multiple adjustments possible to adapt to changing material properties

Expertise and technology from the technology leader

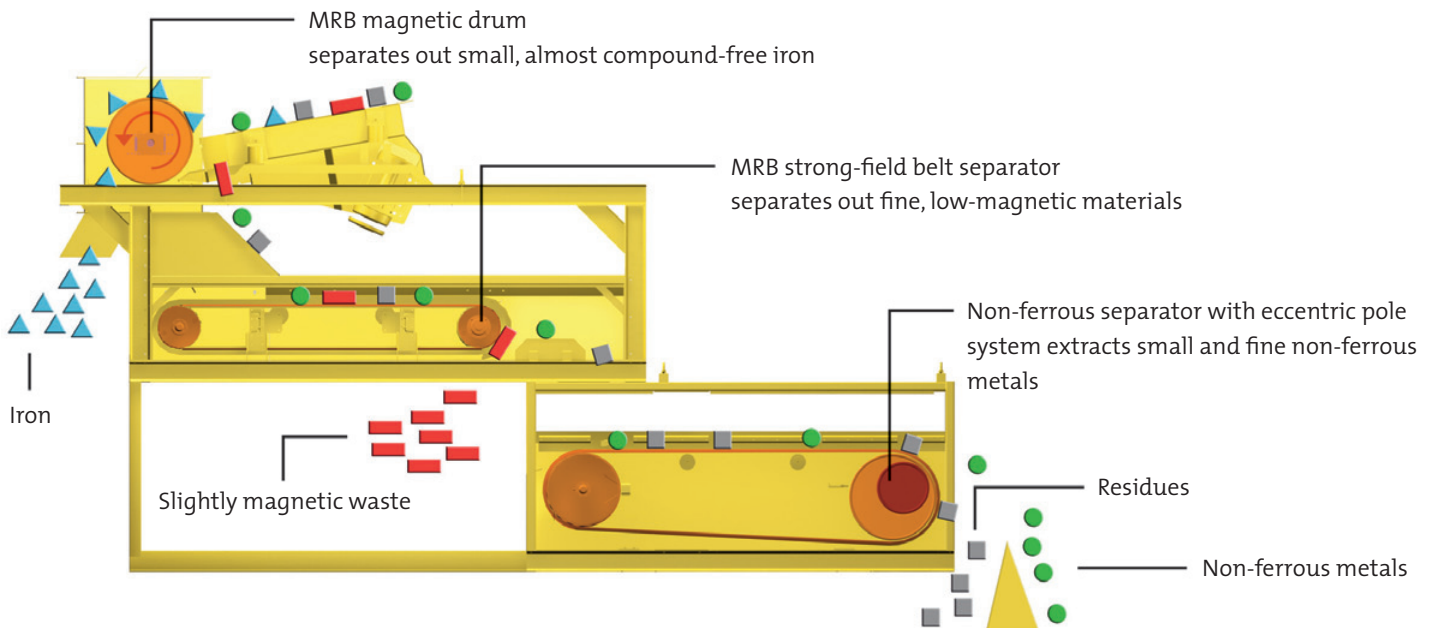
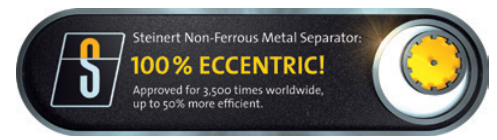
The FinesMaster embodies the expertise and technology of one of the pioneers in waste material sorting. Our experience in separation technology began in 1889. Numerous pioneering innovations in sorting technology such as our eccentric pole system, the hybrid magnetic drum, the XSS® X-ray sorting system and the ISS® induction sorting system have made us the industry's global technology leader.

STEINERT Master Series

The STEINERT Master Series refers to a series of STEINERT sorting equipment which, like the FinesMaster, has been developed for specialised tasks and satisfies the highest economic and technical standards.

A master in the recycling of fine metal

Sorting without interfaces – double the benefits. The new FinesMaster extracts fine iron and fine-grain non-ferrous metals in a single, compact unit.



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