



**MINING  
COLLECTION**

Elektromagnetbandrolle  
 Type 304 / 50  
 400 mm  $\phi$  - 600 mm Breite  
 0,72 kW 110 Volt Gs  
 Förderbandbreite: 500 mm  
 Förderbandgeschwindigkeit: max. 0,85 m/sec.

## TRADITION + INNOVATION

For over 125 years, the pioneering spirit and technical creativity of our family-run business have enabled us to continually set new standards.

And with our global network, we are on hand around the world to ensure the success of our customers - as your partner for market-leading materials separation.



The STEINERT test centers give customers the opportunity to test small and large samples. You can also benefit from directly implementing the very latest findings and developments in tried and tested STEINERT sorting technology, including the latest combination sensor-based sorting solution for ore processing.

Our application specialists will provide competent and specific assistance in finding a solution for your technical material recovery job. If desired, we can directly demonstrate the potential for recovering material with STEINERT sorting technology using your own test material.

We deliver:

- professional and easy to read reports
- meaningful executive summaries with clear focus for effectiveness of process as well as quantified value proposition
- recommendations that will show a clear way forward for the client with logical 'next steps'

Coal, iron ore, copper, tin, gold, tungsten, nickel, mineral sands, precious stones (eg. diamonds), non-ferrous metal ores, manganese ore, aluminium, ferrochrome, industrial minerals... these are just a few of the valued resources STEINERT products help to recover, sort and separate for the ultimate benefit of the customer.

Pre-concentration can add previously uneconomic zones to ore and mineral reserves and help manage ore blending programs more effectively. They can be applied to selective upgrading of low-grade stockpiles – even waste dumps – to recover value from previously uneconomic material as well as reduce environmental risks and costs, reduce tailings dams or tailings filter size and reduce milling energy requirements – therefore adding value to the life of the operation.

Depending on particle size range of the material being sorted, STEINERT sensor sorters can operate up to 250 tonnes per hour, per machine. It is possible to adjust machine sensitivity and the cut-off grade for the accept/reject split; and this fine tuning capability gives flexibility to operating requirements, for example, high upgrade ratios or maximum recoveries.

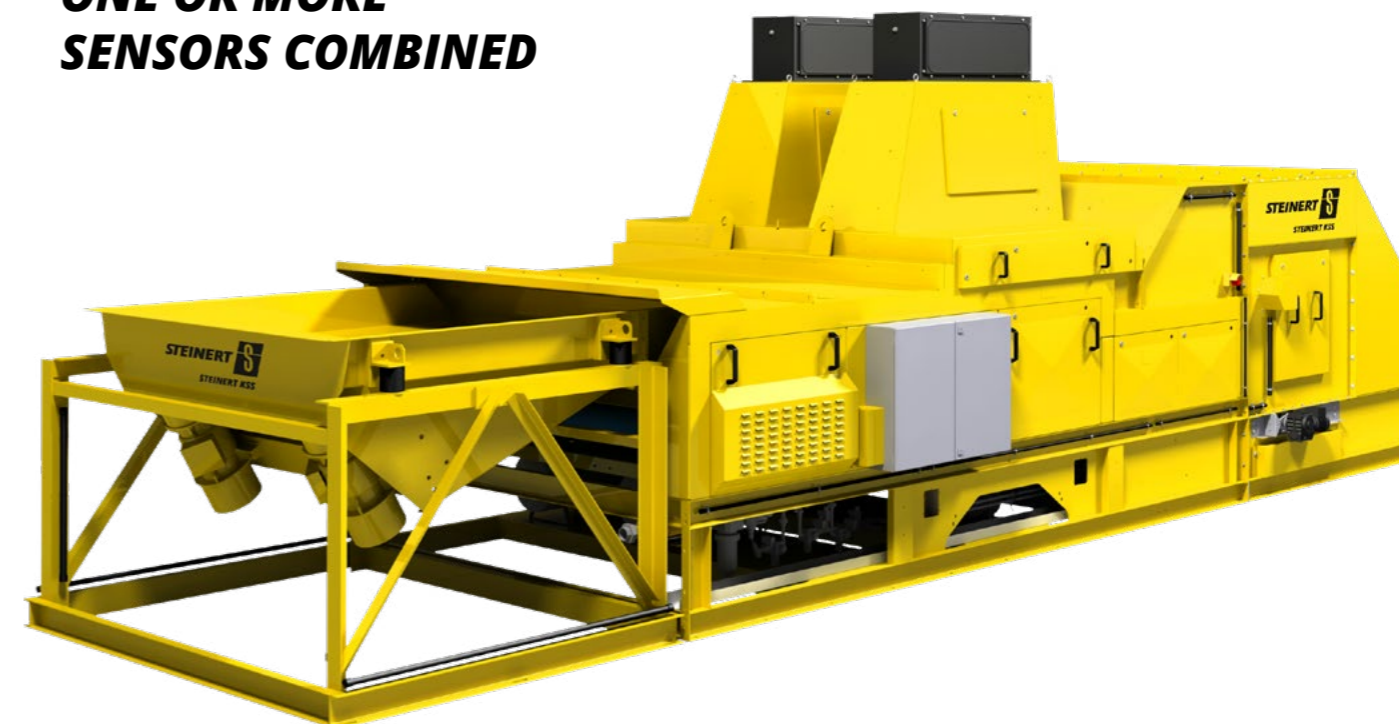
#### SOLUTIONS FOR:

- Pre-concentration of mill feed by separating it into high-grade, low-grade and waste fractions
- Selective high grading of existing waste dumps
- Reduction of environmental risks and costs – smaller tailings dam footprint
- Optimisation of multiple process streams, for example, sending appropriate ore to the mill and leach heaps
- Pre-concentration of ore underground or at remote satellite sites in order to reduce transportation costs
- Lowering customer operating costs
- Improving ore grade to make marginal ore bodies more viable

**FOR EFFICIENT CONCENTRATION OF VALUED ORES, STEINERT HAS THE RIGHT SOLUTION FOR YOU**

**STEINERT** 

## ONE MACHINE, ONE OR MORE SENSORS COMBINED



The modular structure of the STEINERT KSS sorting machine as a dynamic solution for complex tasks in material separation.

Our STEINERT KSS combination sensor sorting system is a platform on which various sensors can be deployed which includes 3D, colour and induction detection. The system can also be fitted with a fourth sensor (near-infrared, x-ray transmission or x-ray fluorescence sensor).

There is therefore a wide variety of options available depending on the sensor combination.

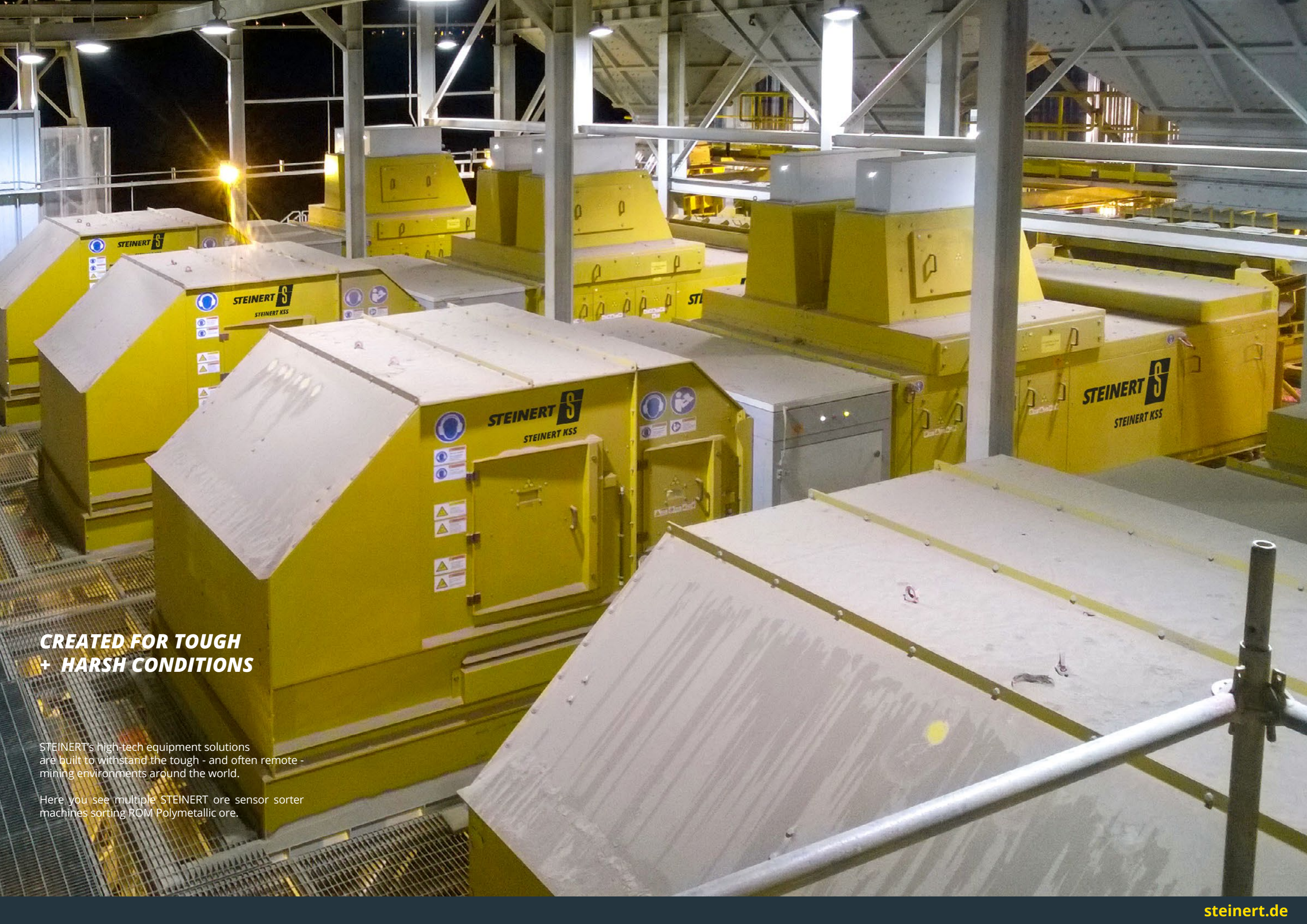
## MAGNETIC SEPARATION

STEINERT has continued to develop and improve the traditional separation solution in accordance with today's diverse processing plant requirements in a wide range of mining applications.

Whether its protecting processing plants from tramp iron damage downstream or beneficiating iron – this is what STEINERT products do best.

We offer a large selection of pulley, drum, lift-out and overhead suspension magnets – for both dry and wet processing.





**CREATED FOR TOUGH  
+ HARSH CONDITIONS**

STEINERT's high-tech equipment solutions are built to withstand the tough - and often remote - mining environments around the world.

Here you see multiple STEINERT ore sensor sorter machines sorting ROM Polymetallic ore.

## **BUILT TO LAST**

STEINERT overhead suspension magnets have been recovering iron and ferrous components from bulk material for many decades. They not only generate clean iron scrap for recycling but also protect crushers, mills and other mining processing equipment against wear and destruction.

They therefore remove unwanted ferrous parts such as screws, nuts and rock bolts from coal, coke, ore and other minerals – and they do this at very high belt speeds.

## WE REFURBISH TO 'AS-NEW' CONDITION

Ask us about the many services we offer including:

- condition audits
- site performance & maintenance audits
- strip & assess with options to improve performance
- service, refurbish & repair:
  - permanent and electro magnets and magnetic drums
  - heat exchangers, self cleaners, cooling oil change, metal detectors
  - transformer/rectifiers & suspension peripherals
- shop test, final check & warranty certification
- installation assistance & site commissioning



On-site audits and testing are some of the services we offer

At STEINERT, service doesn't end when your equipment is delivered – it marks the beginning of a reliable partnership for your long-term benefit. STEINERT understands the customer's diverse and regional requirements.

We deliver value-added solutions throughout the entire process – from consultation to manufacturing, installation and commissioning services.

STEINERT builds on long-lasting partnerships with customers. Research and development are key benefits to increasing our customer's long-term profitability.

Whether spare parts, repairs, start-up, training or preventative maintenance – you can always rely on us, at any time!

# THE STEINERT GROUP

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