



WE ARE THE RESOURCE SEARCH ENGINE

20.10.2025

STEINERT 
MAGNETIC + SENSOR **SORTING SOLUTIONS**

HOW WE COULD HELP YOU?

- 🇩🇪 **DRS (Pfand) system** – how it impacts sorting lines and business models
- ♻️ **Plastics in compost** – how to keep compost clean and compliant
- 🍷 **Dirty glass sorting** – turning low-quality streams into value
- ⚡ **How to reach 100 ppm?** – pushing purity to meet stricter regulations
- ⬛ **Black plastics** – the last frontier of optical sorting



PET SORTING FOR DRS SYSTEM

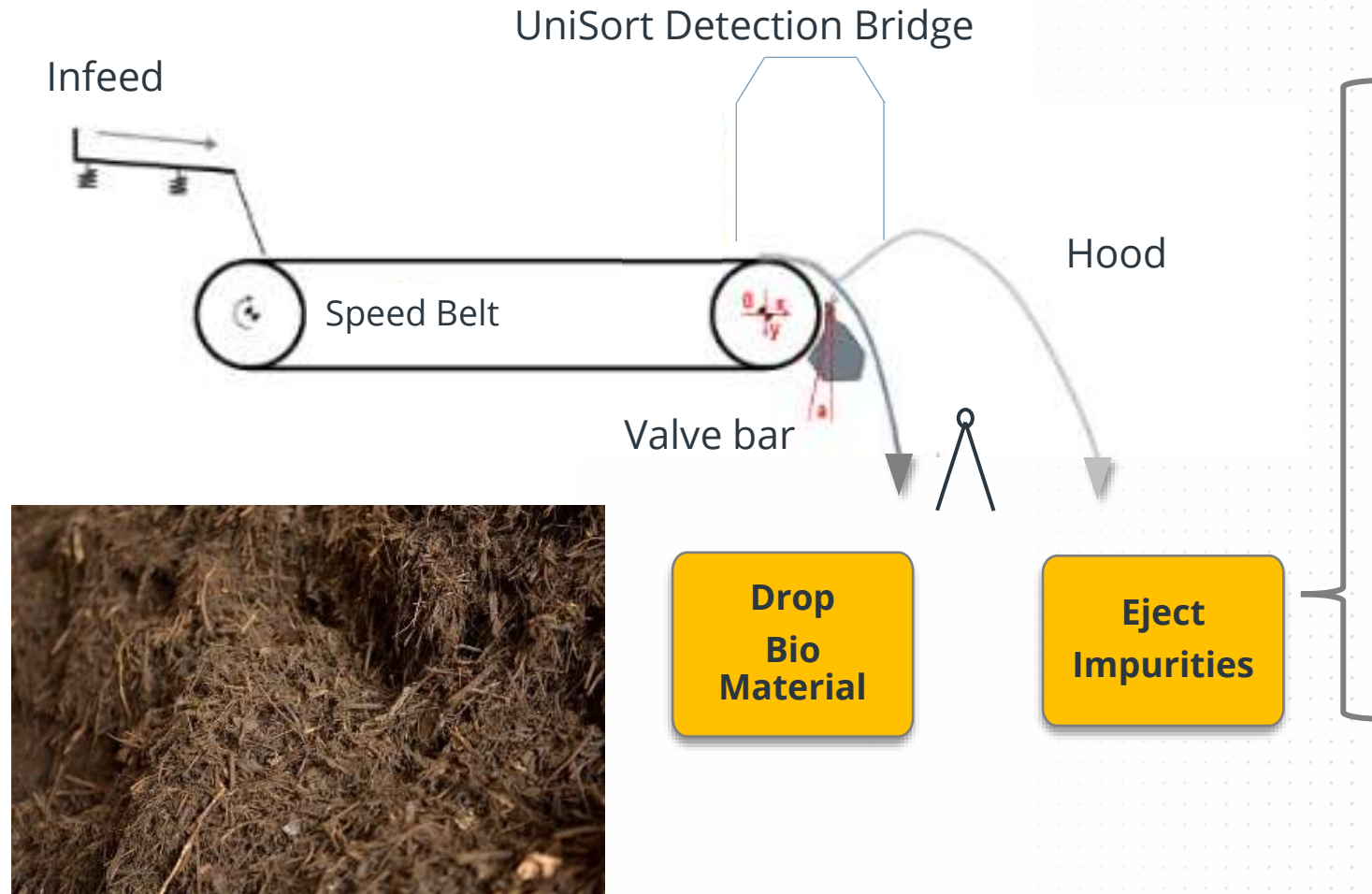


- Technology:
 - Hyper Spectral Imaging (HSI) / NIR detection
 - Colour detection by CCD camera
- Feeding material: RDF, mixed plastics, packaging waste, paper, wood, WEEE, etc.
- Resolution local: 3 - 6 mm
- Resolution spectral: < 3 nm
- Fraction size: from 10 mm up to 300 mm
- Light source: Halogen



COMPOST CLEANING

UniSort EVO 5.0 – Black Technology



NIR identifiable impurities
and black / dark colored plastics
+/- Metals (M-Sensor required)

GLASS SORTING FOR MSW OR C&D



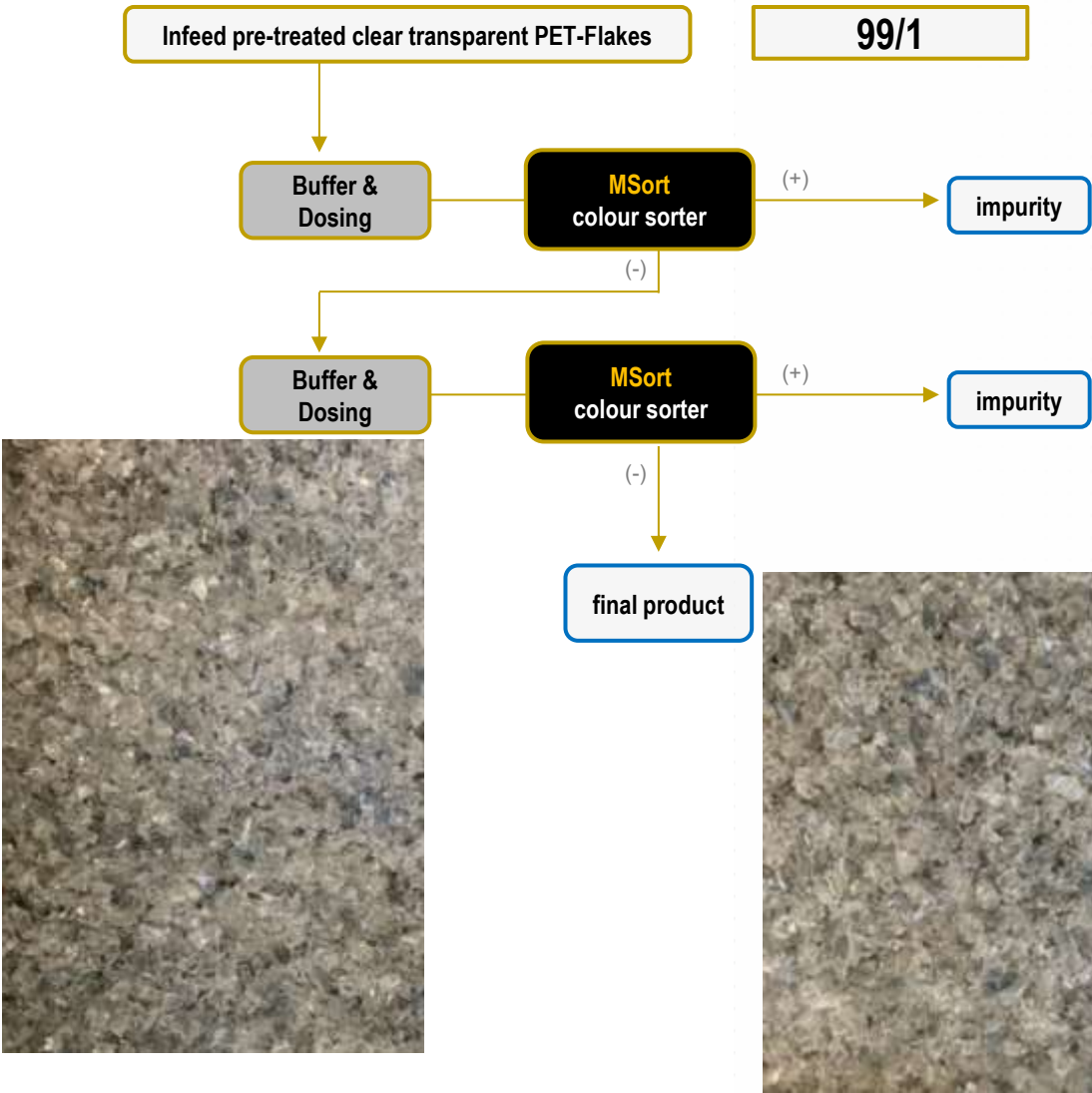
With Steinert Msort AF or AK sorter



- High resolution RGB camera
- Fraction size: 1!! – 30 mm
- Single or double side detection
- Transmission or reflection detection
- Throughput: approx. 1 t/h
- Purity: up to 98%
- Output: > 90 %



PET FLAKE SORTING



BLACK PLASTICS SORTING

With Steinert Blackeye sorter



- Detects and sorts black, but also light and colored plastics by plastic type
- Fraction size: 10 – 30 mm
- Detects: PE, PP, PS/ABS, PVC
- Throughput: approx. 1 t/h
- Purity: up to 98%
- Output: > 90 %
- AOC – Technology for Material Stabilization

UniSort BlackEye / optical sorting system for the detection and sorting of black plastics



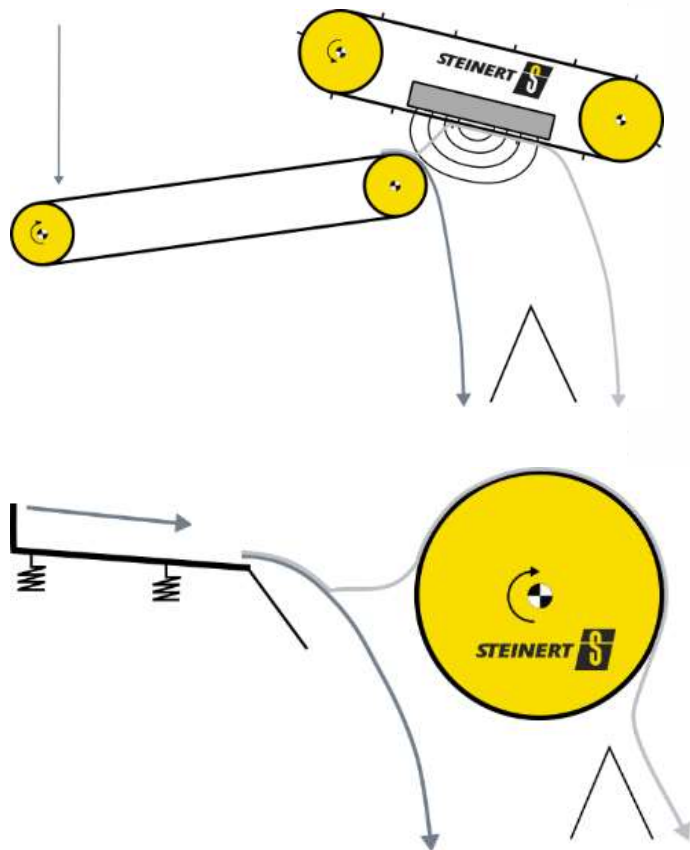
SORTING SOLUTIONS BY TECHNOLOGY

THE RESOURCE
SEARCH ENGINE

A stylized graphic of a circular dial or gauge. It features a central crosshair (+) and concentric circles with tick marks, resembling a compass or a search interface. The text "THE RESOURCE SEARCH ENGINE" is written along the inner curve of the dial.

MAGNETISM

FUNCTIONAL PRINCIPLE



STEINERT 



+ STEINERT UME



+ STEINERT UMP



+ STEINERT OHSM



+ STEINERT AMP



+ STEINERT MT



+ STEINERT SteelMaster



+ STEINERT HGS

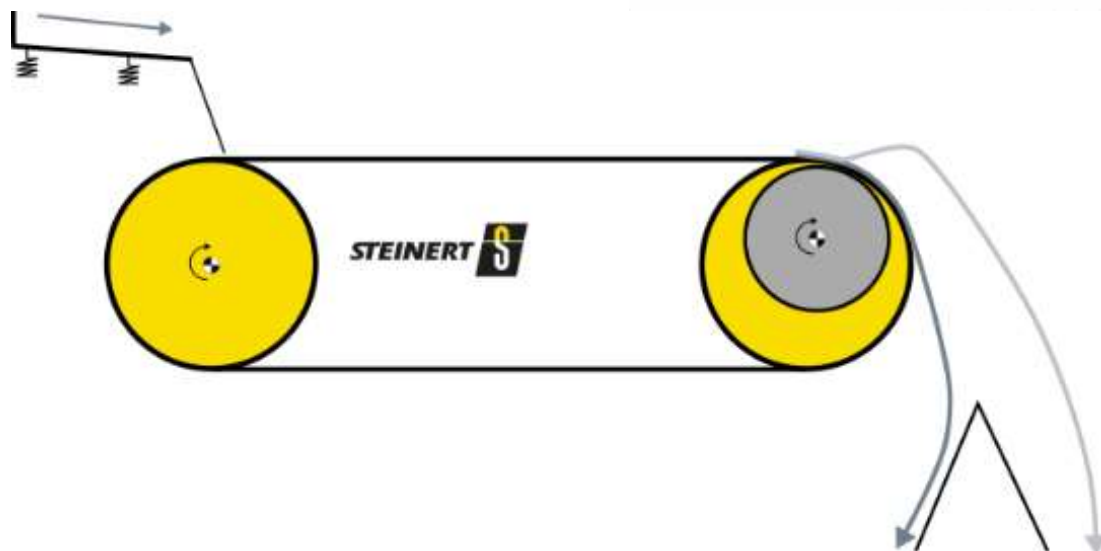


+ STEINERT BR

EDDY CURRENT



FUNCTIONAL PRINCIPLE



+ STEINERT EddyC MOVE



+ STEINERT EddyC



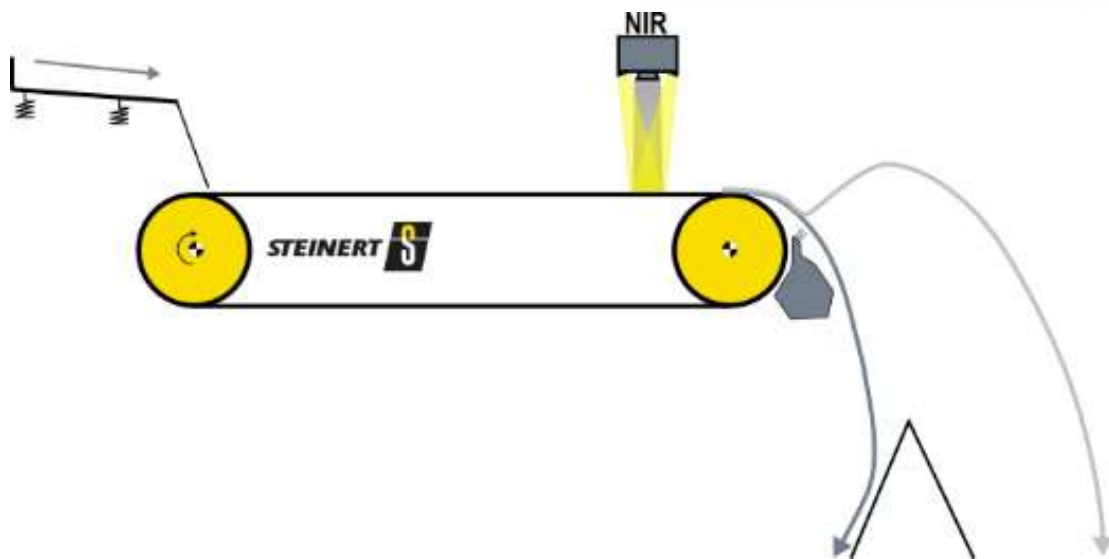
+ STEINERT EddyC FINES



+ STEINERT CanMaster

NEAR- INFRARED

FUNCTIONAL PRINCIPLE



+ UniSort PR EVO 5.0



+ UniSort Black



+ UniSort Analyser



+ UniSort Finealyse



+ UniSort BlackEye



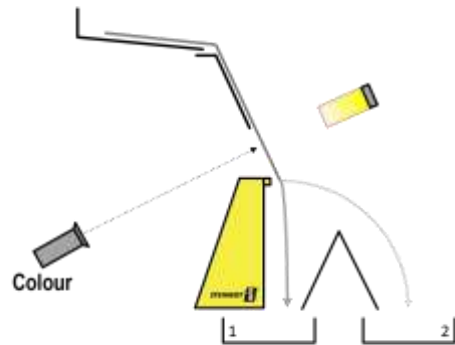
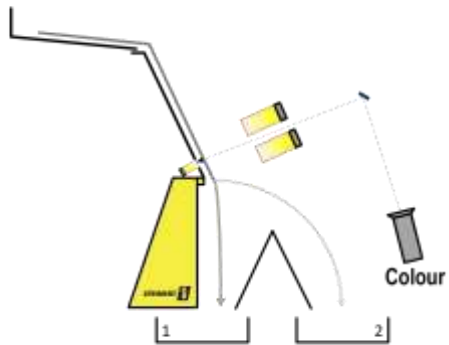
+ UniSort Film EVO 5.0



+ UniSort Unibot

COLOR

FUNCTIONAL PRINCIPLE CHUTE SORTING



+ MSort AF



+ MSort AK



+ MSort AW



+ MSort BE

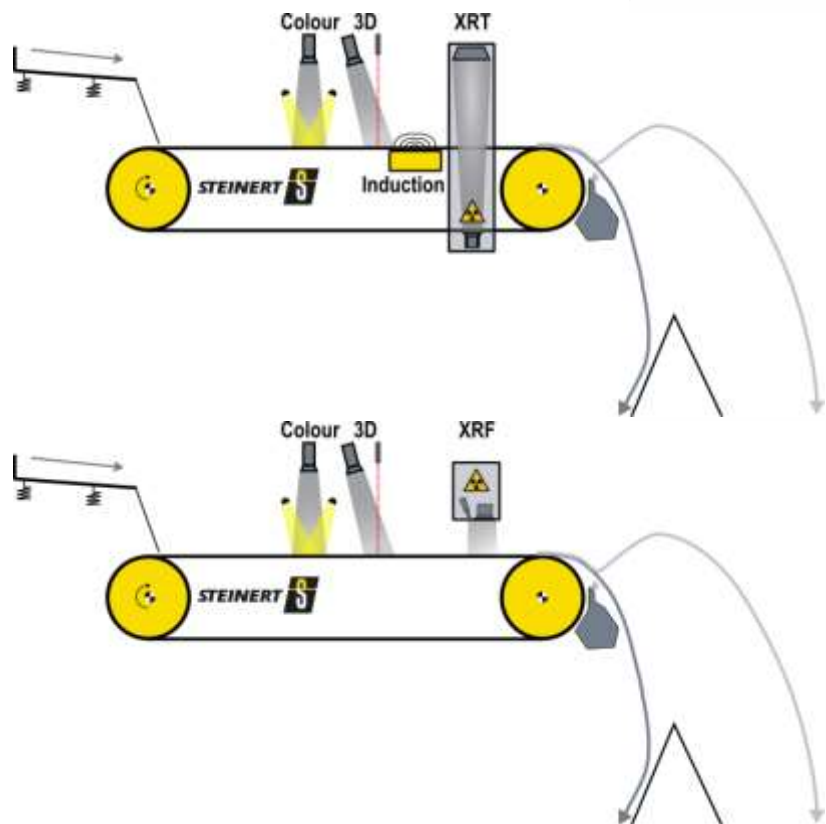


+ MSort AX

X-RAY TRANSMISSION AND X-RAY FLUORESCENCE



FUNCTIONAL PRINCIPLE



+ STEINERT KSS | XT CLI



+ STEINERT XSS T EVO 5.0



+ STEINERT KSS | XF CLI



+ STEINERT CHUTEC

WHO WE ARE?

- + Waste Recycling
- + Metal Recycling
- + Mining



THE RESOURCE
SEARCH ENGINE

GLOBAL NETWORK



3 test centers

5 subsidiaries
and more than
40 sales cooperations

MILESTONES IN OUR HISTORY



Along with separation services, lifting magnets increase in importance and the production lines are correspondingly adapted

1900

Production of a new lifting magnet series and first waste recycling solutions

1963

Development of the ANOFOL strip – STEINERT becomes the world market leader for this product

Late 1960s

1889

1889

Ferdinand STEINERT Elektromagnetische Aufbereitungsanlagen was founded

1931

Julian Christian Buchholz (1876-1953) acquires the company Ferdinand STEINERT Elektromagnetische Aufbereitungsanlagen and operates it under the holding company Metalloxyd



1960

1966

Assembly of the first Suspension Magnet



1990

1987

STEINERT takes the lead in its sector by building an eccentric non-ferrous separator for the recovery of non-ferrous metals

MILESTONES IN OUR HISTORY



Acquisition of RTT Systemtechnik GmbH in Zittau and founding of RTT STEINERT GmbH in order to combine the expertise waste sorting technology. Since 2019, it has been operating under the name STEINERT UniSort GmbH

2009

UniSort BlackEye enables black plastics to be sorted by polymer class for the first time

2016

UniSort EVO 5.0 and AI-supported object recognition, STEINERT paves the way for the future of waste sorting technology

2020

Acquisition of a 6-hectare site in Zittau to expand production capacities at STEINERT UniSort

2023

Acquired the innovative MSort sorting systems from Mogensen GmbH & Co. KG based in Wedel near Hamburg

2024

2000

2000

Entry into the sensor sorting segment: Color sorting systems and induction sorting systems for boosting metal output

2010

2010

Innovative breakthrough with the X-ray sorting system and 3D sensor sorting



2020

2020

New test and development center



2022

New multifunctional building in Cologne → expansion of production capacities



2023

STEINERT Latinoamericana Opening of new / larger floorshop



A wide-angle photograph of a large industrial facility, likely a sorting plant. The space is filled with yellow machinery, including conveyor belts and sorting equipment. Numerous workers in black uniforms and yellow hard hats are visible throughout the facility, some standing on elevated platforms and others on the ground. The ceiling is high with a complex network of steel beams and industrial lighting.

WE TEST BEFORE **you buy**

// We deliver

- + Checking feasibility
- + Carrying out sorting trials
- + Verifying sorting capacity in throughput test

/ CONTACT

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Thank you very much.
Any questions? Please contact us.