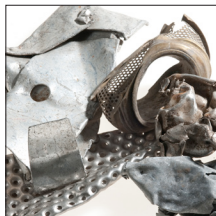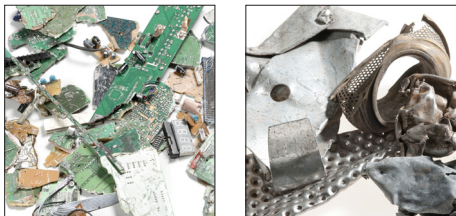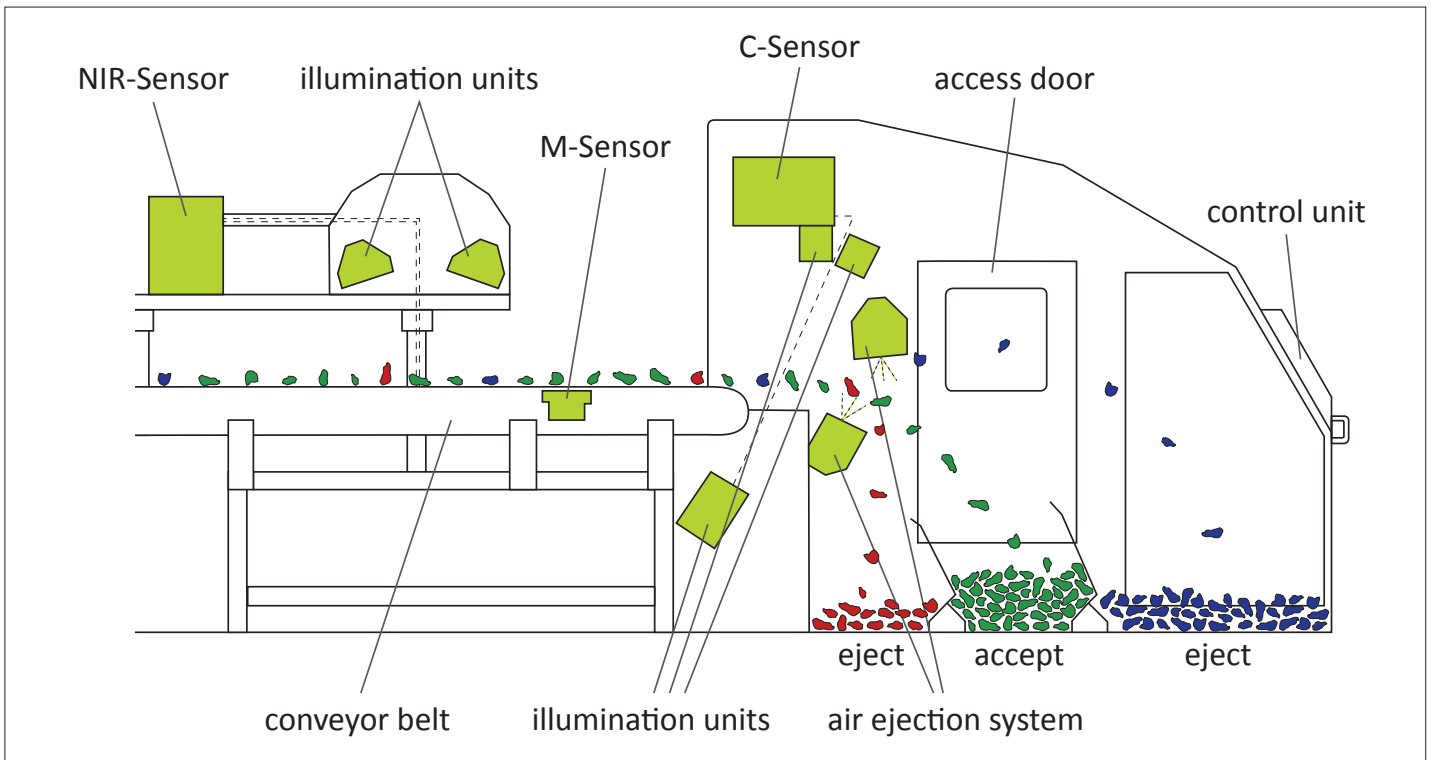# VARISORT
Multi-Sensor Sorting Systems for the Recycling Industry

- Applicable to solid waste, plastics, wood, metal, and electronic waste recycling

- Consistent and effective detection and separation

- Modular design facilitates customer and application solutions

- Conveyor based systems with individual sensor options

- High throughput by configurable speed setting

- Sensor upgrade capability

- New operating software SesoDesk with octa-core technology

- Optimized compressed air and power consumption

varisort-pr-en-0817-v1.2

NIR-Sensor   illumination units   C-Sensor   access door   control unit

M-Sensor

eject   accept   eject

conveyor belt   illumination units   air ejection system

Function description: VARISORT multi-sensor sorting machine

Function principle:

The multi-sensor sorting system VARISORT can be used universally in many different recycling applications (e.g. plastics, metal, electronic waste, wood and solid waste recycling). It will sort mixed streams into single fractions, playing a pivotal role in ensuring the highly pure recycled material can be profitably reprocessed in the production cycle. Optimally scattered on a fast-running conveyor belt the waste reaches the detection area. The electronic evaluation unit determines the exact position of the unwanted products, and with accurate timing and positioning activates the corresponding nozzles of the air-blast unit.

Working widths:

- **1024 mm**
- **1536 mm**
- **1920 mm**
- **2816 mm**

Split machine

Splitting of the sorting machine for sorting two different material streams in parallel or for 2-step-sorting

Belt length

4,4 m and 6,2 m with configurable speed setting

3rd chute

Additional 3rd chute and 2nd valve bar for sorting the input material into three fractions

Valve grid

Other valve resolutions possible depending on type of sorting application

Sensor upgrade

Prewiring for future integration of additional sensors

SesoDesk

New operating software combined with new octa-core technology

Options

Vibratory feeder, Rotary divider, access door, automatic valve / air-blast nozzle cleaning, compressed air tank(s) with filter unit and pressure control, condensation water separator, connections for air extraction, data management system VISUTEC

All machines are available with up to three sensors:

C Color and Shape Sensor

M Metal Sensor - optional with detection for stainless steels (differentiation between ferrous, non-ferrous and VA)

N NIR Sensor

For detailed information and applications advice please contact us to arrange a visit by one of our experienced Sesotec sales engineers