

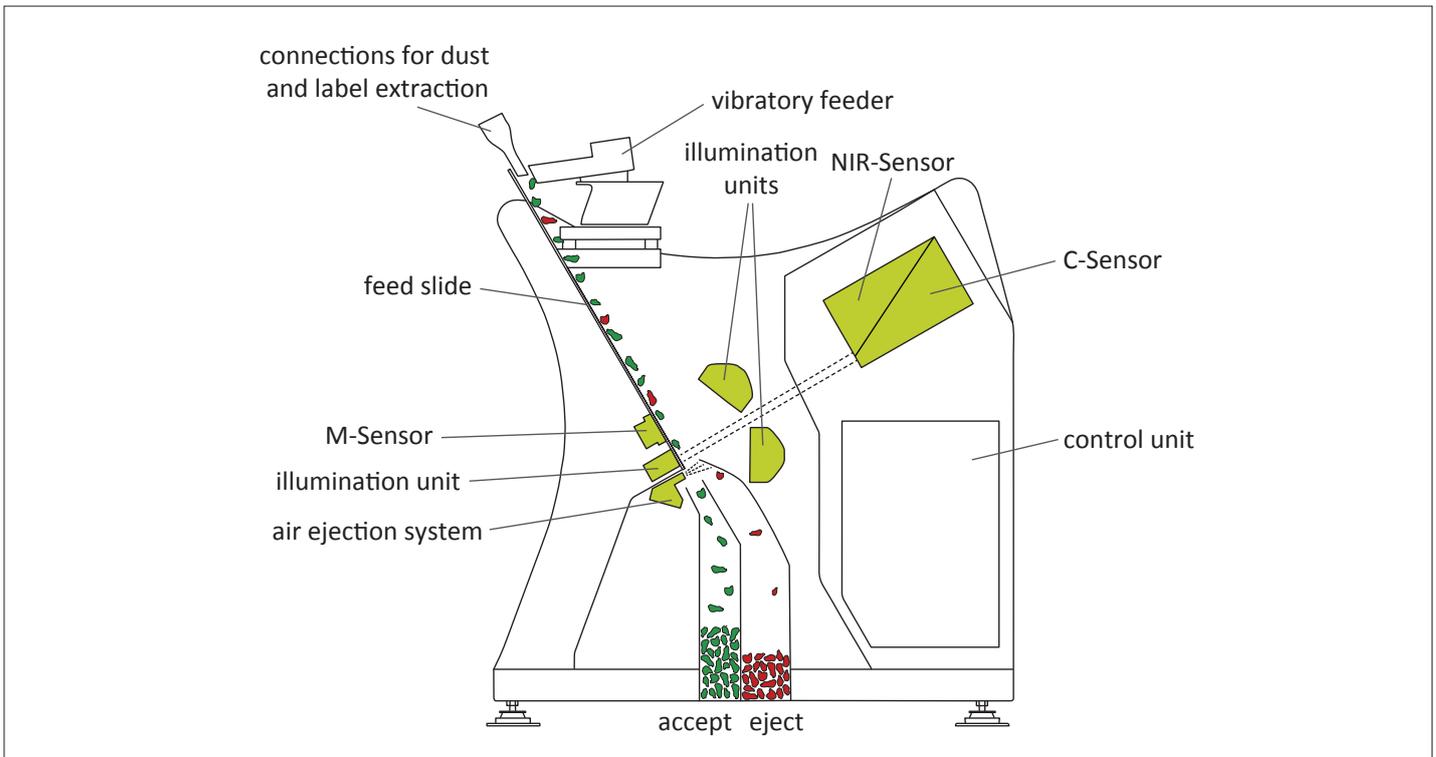
# FLAKE PURIFIER+

## Multi-sensor sorting system for Plastics Recycling

- Universal system for plastics recycling
- Effective contamination detection and separation
- Sorting by material type and colour
- Customised solutions



- Optimised material infeed for a more evenly distributed product flow and increased material throughput
- Dust-proof design and integrated connections for dust and label extraction
- Modular sensor and air-blast unit configuration
- Easy maintenance and integration
- Optimised compressed air and power consumption



Function description: FLAKE PURIFIER+ multi-sensor sorting system

### Function principle:

Especially for the sorting of plastic flakes such as PET, HDPE or mixed plastics flakes Sesotec provides its FLAKE PURIFIER+ sorting systems.

Based on a modular concept these systems allow the combination of all available sensors for contaminant detection: Sensors for metal separation, sensors for colour separation / sorting, and sensors for the separation and sorting by plastic types. The information provided by the individual sensors is processed by the evaluation unit based on octa-core technology. Separation of material by air-blast unit.

### Working widths:

- 1024 mm
- 1280 mm
- 1536 mm

### Sorters are available with up to three sensors:

- C** Colour and Shape Sensor
- M** All Metal Sensor
- N** NIR Sensor

### Split machine

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

### Valve grid

Alternative valve grids down to a minimum of 3.2 mm are possible to optimise certain sorting applications

### Sensor upgrade

Prewiring for future integration of additional sensors

### SesoDesk

New operating software combined with new octa-core technology

### Options

Separately controlled conveyor trough modules, compressed air tank with filter unit and pressure control, connections for dust and label extraction, data management system VISUTEC