

SENSOR IDENTIFY

Sensor-based sorter with induction bar and optional colour camera system

BLUELINE[®]
SENSOR IDENTIFY

Acceleration belt

- ▶ High throughput thanks to belt speeds of up to 3 m/s and a belt width of 1 m
- ▶ Belt scraper for cleaning of the belt surface

Colour camera system

- ▶ Optical particle detection based on colour and shape (only SENSOR IDENTIFY+)

Vibrating feeder with electromagnetic drive

- ▶ Optimal homogenisation of the feed material

Automated splitter

- ▶ Reproducible positioning of the splitter possible by pushing a button

Induction bar

- ▶ Particle detection based on electrical conductivity

Blower unit

- ▶ Safe discharge of particles using a nozzle bar and automatic pressure control

(Optional) Compressed air preparation

- ▶ Compressed air chamber for covering air peaks
- ▶ System is independent of the provided compressed air quality

Quick-coupling system

- ▶ Tool-free installation of the external belt conveyors thanks to folding arms with snap locking

Variable material discharge

- ▶ Optimised system layout thanks to free selection of discharge side
- ▶ Integrated belt scraper prevents caking

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SENSOR IDENTIFY is a sensor sorter with induction bar, which is used to separate input materials based on their electrical conductivity. This sorter is also available with an optional colour camera system for additional colour and shape detection.

Depending on the task, this sorter combines the advantages of conductivity detection with visual detection using a colour camera to enable precise and versatile sorting. It sorts materials with different electrical conductivities, such as metals and non-metals, combined with different colours and shapes with high precision. Detected particles are sorted out using compressed air to ensure precise separation.

