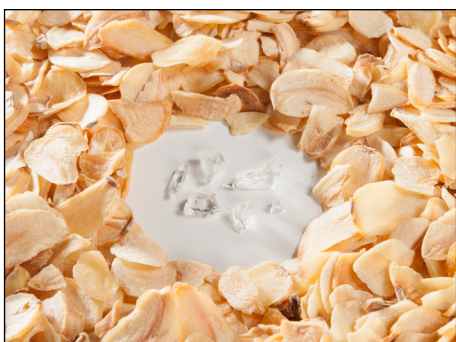




RAYCON BULK

Product Sorting System for bulk materials

- ✓ **Precision inline detection and separation of metallic and non-metallic contaminants**
- ✓ **Compact, light-weight, modular design, easy to clean and maintain**
- ✓ **Multiple language capability and excellent ease of operation**
- Complete system with integral vibratory feeder and separation unit
- Low material losses using segmented separation system
- High throughput rate
- IFS and HACCP conformity
- State of the art solution to remove dense foreign bodies from bulk material
- Total system solution ready to connect



Software advantages

Processing software

X-ray images are evaluated by product specific image processing software contaminants detected and separated.

The RAYCON BULK sorting system's innovative software offers many advantages:

The real-time operating system with flash card ensures

- Exact timing of individual foreign bodies even at high throughput rates
- Safe data storage independent of external influences
- Full processor performance is used only for product inspection.
- Control over all hardware components at each process stage
- No UPS is required for system protection.

Additional features and advantages:

- Ethernet connection for data transfer and remote maintenance
- USB port for saving images, product backup and software updates
- Multiple i/o capability for the connection of photo cells, reject and separation systems, etc. allowing flexible integration into the production line.

Cleaning:

For easy hygiene operations the top cover can be folded away and fixed in the open position. All guard covers are equipped with safety switches which isolate the source when a cover is opened.

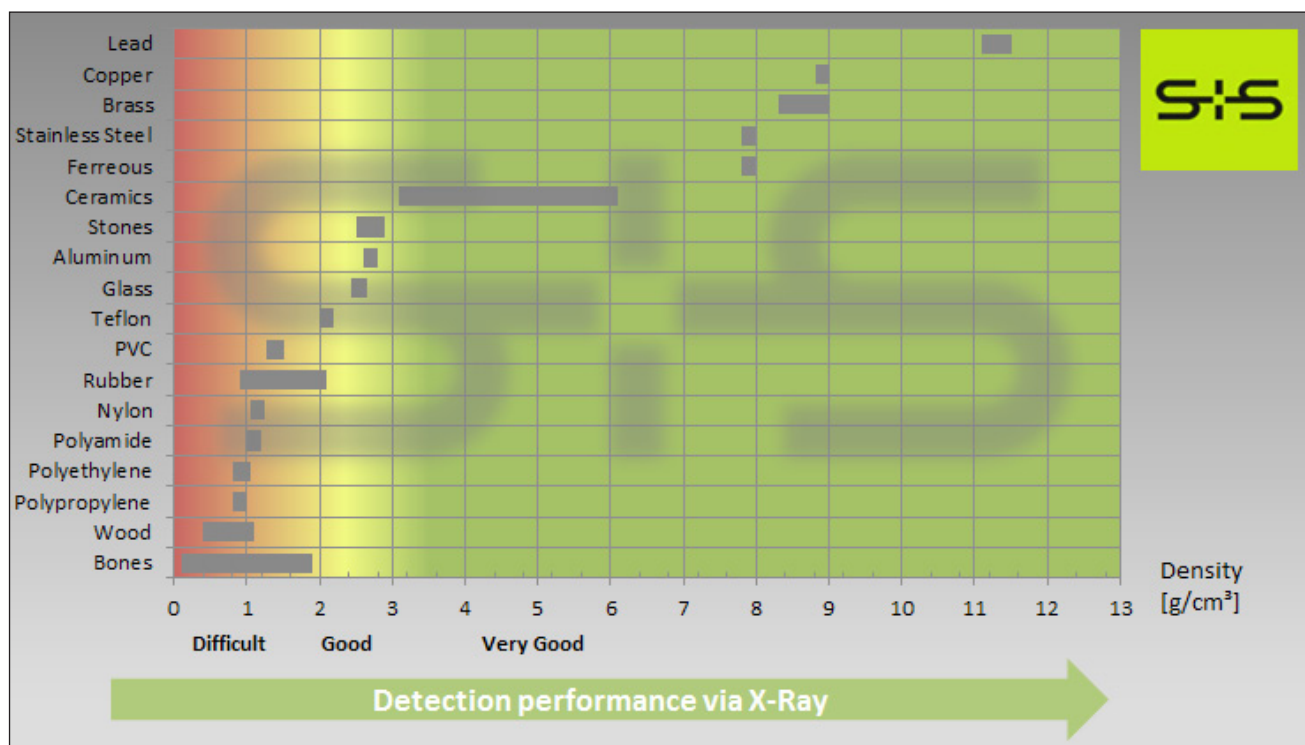
This allows an hygienic cleaning of the complete system.

Important information:

X-radiation is classified as ionising radiation but it is not radioactive! In compliance with EU directive 1999/2/EC, S+S X-ray systems due to the minimum radiation energy can be used for the contaminant inspection of food materials and with organic products.

The RAYCON product inspection system is subject to statutory X-ray regulations and requires certification.

It is important to observe any country specific regulations!



Detection capability for different materials categorized by density.

For more specific information please request our detailed technical data sheet.

S+S system world



Detecting and separating contaminants:

Removing contaminants:

- metals
- plastics
- glass
- ceramics, porcelain, stones
- and many others

Removing from (good material):

- bulk materials
- liquids and pastes
- individually packaged product
- packed and loose items

Product types:

- end-products (food, textiles, plastics etc)
- industrial raw materials
- recycled materials

can be integrated into all types of conveyor systems



Detecting and separating sub-standard products:

Qualitative defects:

- incorrect colour
- agglomerations
- breakages
- air inclusions in packs
- incorrect positioning / distribution

Quantitative defects:

- incorrect weight
- count errors (incorrect number of items in package)

Product types:

- end-products (food, textiles, plastics etc)
- industrial raw materials
- recycling materials

can be integrated into all types of conveyor systems



Sorting mixed materials into single fractions:

Types of material:

- glass
- plastics
- metals
- and many others

Delivery flows:

- bulk materials
- individually packaged product

can be integrated into:

- conveying systems
- bulk material flows

Subsidiaries:



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