

Production Reliability.

- Metal detectors
- Metal separators
- Magnet separators



**Optimal machine protection
in the wood industry**



Metal Detectors



LIGNUM-HX + LICON-HX Protection of the gate saw & band saw



LIGNUM-HX metal detector

- Detects all kinds of metals such as iron, aluminium, copper, stainless steel, etc.
- Extremely short metal-free zone: Considerably reduced total length facilitates integration in already existing systems.
- V2A stainless steel housing provides improved corrosion protection and interference immunity to electromagnetic pollution.
- Self-explanatory, menu-guided operation with auto-learn mode.

LICON-HX metal detection system

- LICON-HX is an inexpensive complete solution comprising the LIGNUM-HX metal detector and a heavy-duty conveyor belt.
- The components have been specifically designed and developed for the requirements of the sawmill industry.
- LICON-HX is integrated in the conveyor line between log feeder and saw line.



ELS + DLS Protection of the chipper & hog



ELS metal detector for chipper & hog protection

- The single-layer, single-face ELS detector and the separable DLS tunnel metal detector are used for examining wood remains under a trough conveyor, vibratory conveyor or a material chute.
- They detect all magnetic and non-magnetic metal contaminants (steel, stainless steel, aluminium, ...), even if such contaminants are embedded in the product.
- When a metal is detected, the conveyor system is stopped and a signalling unit is activated.



The passage openings of the DLS metal detectors are matched to the respective application.

Metal Separators



RAPID DUAL

Protection of the pellet press

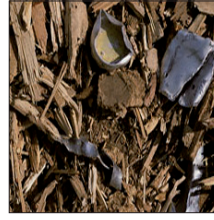


The RAPID DUAL metal separator removes metals with a minimum loss of good material.

- Detects smallest metal particles of any kind in free-falling, badly pourable bulk materials.
- When a metal is detected, it is separated by a specifically developed reject flap ("Quick Flap System").
- Improves production reliability by way of efficient machine and tool protection.
- Guarantees product quality.



Magnet Separators



Separation of ferrous metals



- Magnet separators remove all ferrous metals. They are used with belt conveyors and material chutes, in free-fall applications, with pipe conveyors, etc.
- Special high-energy Neodymium magnets reliably separate even smallest ferrous metal particles.
- The wood industry especially uses drum, roller, plate and pipe magnets.



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Sesotec 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

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