

ECOLINE-D

Metal detection system for conveyor applications

- Compact metal detection system for the inspection of piece goods
- Outstanding ease of integration due to shortest length
- Stable and reliable inline metal detection due to extremely short metal-free zone (MZ)
- Complies with IFS and HACCP
- Quick and easy cleaning of the complete system



The ECOLINE-D metal detection system offers:

- Highest scanning sensitivity
- Sturdy design
- Belt quick-change system
- Wiring complying with hygiene requirements
- Optimal cost-performance ratio
- Short delivery time

Main components:

- GLS tunnel metal detector
- Flat conveyor belt with 200 mm, 300 mm or 400 mm width
- Conveyor control unit for "stop-on-detect"



ECOLINE-D examining packed piece goods

Functions:

The ECOLINE-D metal detection system detects all metallic contaminations (steel, special steel, aluminium, ...) – also metal contaminations that are enclosed in the product. It is used for inspecting packed and unpacked piece goods.

Typical applications:

Incoming and outgoing goods inspection, in-line-inspection during packaging, weighing, labelling.

Standard belt widths of up to 400 mm and effective passage heights of up to 300 mm.

Control units:

Two control units (GENIUS+ or SENSITY) with graded performance features are available. Common features:

- Highest sensitivity to all metals (2-channel technology)
- Digital signal processing and quartz-stable search frequency
- State-of-the-art microprocessor technology with self-monitoring, auto-balancing, and temperature compensation
- Product compensation with auto-learn function
- Multi-product memory
- Password protection / access protection
- Special EMC combifilter for suppressing external interference

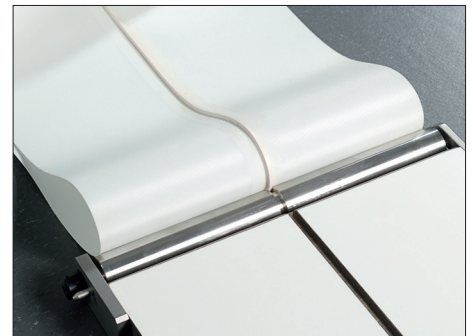
Other performance features:

- State-of-the-art coil technology with an extremely short metal-free-zone allows shortest conveyor belt lengths
- The open, easily accessible design allows easy cleaning of the complete system
- The sturdy special-steel conveyor belt construction guarantees highest scanning sensitivity and stability
- Surfaces and design comply with the hygiene requirements of the food industry
- Multi-frequency technology allows an optimal inspection of a wide range of products

Easy cleaning and belt changing:



With the ECOLINE-D metal detection system the belt can be changed in less than a minute.



Belt run adjustment is not necessary with the ECOLINE-D metal detection system because of the profile on the backside