

UNICON

Metal detection system for conveyor belt applications

- Flexible complete system (belt width from 250 mm)
- For inspection of products in pieces up to 130 kg maximum load on the belt
- Reliable metal detection and separation
- IFS and HACCP compliance
- Version against ATEX explosion risk available up to zone 20
- Versions for dry and wet areas
- Separation system adapted to customer needs



The UNICON metal detection system detects all magnetic and non-magnetic metallic impurities (steel, stainless steel, aluminum etc.) even if they are inside the product. It is installed for the inspection of materials in packaged or unpackaged parts.

Its modular construction allows individual and tailor-made solutions.

Special separation systems for different types of product with rejection hatch, retractable belt, etc. The UNICON-D version is designed for dry areas and the UNICON-W version for wet areas.

The complete system in the basic version consists of the following main components:

- GLS tunnel metal detector
- Special conveyor belt
- Belt control to stop by metal detection

The complete system guarantees the best sensitivity through a design made according to a specific need. The UNICON series is characterized by its flexibility and thanks to it it can be adapted to countless products and needs.

Other features:

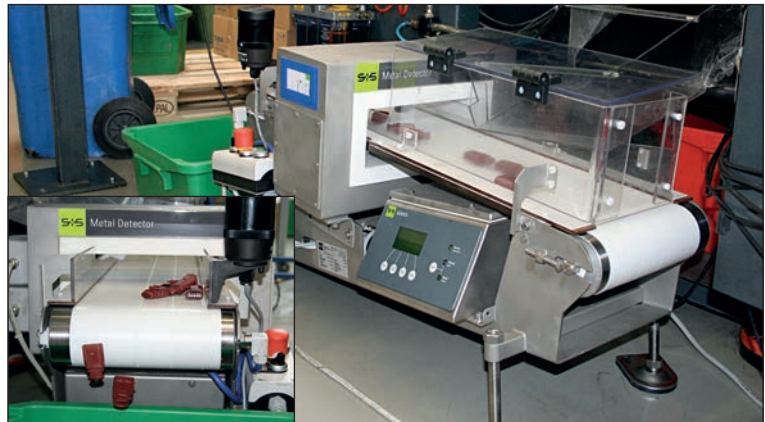
- State-of-the-art winding technology with a low metal-free zone allows the tape to be as short as possible
- Open, easy-access design makes it easy to clean
- Robust stainless steel tape construction guarantees stability and highest sensitivity, even in long operating processes
- Surfaces according to the hygiene requirements of the food industry
- Flexible integration thanks to the possibility of adjusting the tape depending on the characteristics of the product
- Multi-frequency technology (DUAL and QUATRO) makes it possible to inspect several different conductive products with special packaging.



Inspection of metals for birds in container E1.

Typical installations:

- Inspection of blocks of butter, cheese and frozen meat
- Inspection of E1 and E2 containers in meat processing
- Inspection of packages or sacks of up to 50 kg



Individuality is our advantage – UNICON metal detection system in a mini version.

The UNICON metal detection system is available with a SENSITY (standard) or GENIUS control unit, depending on requirements.

Characteristics shared by these two control units:

- Highest sensitivity for all metals (2 channel technique)
- Digital signal processing and quartz stabilized coil frequency search
- Advanced microprocessor technology, self monitoring, self adjusting and temperature compensation.
- Automatic learning for product effect compensation
- Multiple product parameter memory
- Access restricted by password
- Special filter to reduce interference



UNICON metal detection system with retractable belt.

If you need detailed information, request our technical data sheet or contact our sales representative in your area.