

VARICON COMPACT

Metal detection system with conveyor belt for the inspection of piece goods

- Short and flexible conveyor system
- Robust, reliable and hygienic inline metal detection
- Reliable metal detection for quality inspection in the food industry according to IFS and HACCP
- Ensures product quality
- Prevents customer complaints
- Break even within a very short period of time
- High metal detection performance



VARICON COMPACT-W with options signal combination and castors

- Reliable metal detection with high detection accuracy in the production line, with a very compact design
- Sturdy design with open conveyor belt frame for hygienic wiring
- Adjustable conveyor belt height from 510 mm to 910 mm
- VARICON COMPACT-D version for application in dry areas, VARICON COMPACT-W version for application in wet areas
- IFS and HACCP compliance
- Quick and easy cleaning of the complete system

Functions:

The VARICON COMPACT metal detection system is used for the inspection of piece goods in the food industry. It detects all magnetic and non-magnetic metal contaminations (especially iron, stainless steel, and aluminum) even if such contaminations are enclosed in the product. The belt-stop function stops the conveyor belt when a metal contamination is detected.

Typical applications:

- Incoming goods and outgoing goods inspection
- Inspection in production lines during packing, weighing, and labelling

Suitable product size of the biggest design version:

- Product height max. 300 mm
- Product width max. 400 mm

Electronic control and evaluation unit:

- Digital signal processing and quartz-stable search frequencies
- State-of-the-art microprocessor technology with self-monitoring, auto-balancing, and temperature compensation
- Product compensation with auto-learn function
- Multi-Product Memory
- Special EMC combination filter to suppress external interference
- Password-protected system logbook and menu-guided validation system for HACCP, IFS compliant quality monitoring



Variable coil centering for optimal conveying of products through the metal detector

Additional performance features:

- Latest coil technology with extremely short metal-free zone allows shortest conveyor belt lengths
- Open and easily accessible design allows easy cleaning of the complete system
- Sturdy stainless steel conveyor belt construction guarantees highest scanning sensitivity and stability in this class
- Surfaces and design in compliance with the food industry's hygienic requirements
- Multi-frequency technology allows an optimal inspection of a wide variety of products

Model versions:



VARICON COMPACT-D – flat belt



VARICON COMPACT-W – linked belt with the option lateral guide rails at the conveyor belt

Main components:

- GLS tunnel metal detector
- Conveyor belt with 300 mm or 400 mm belt width
- GENIUS ONE Control Unit with belt-stop when metal is detected

Options:

- DUAL-frequency technology for best detection of a wide variety of products with one system
- Lamp/horn signal combination
- Lockable castors
- Lateral guide rails at the conveyor belt



VARICON COMPACT-W with belt width 400 mm and options signal combination, castors and guide rails



Large conveyor belt height adjustment range, here 650 mm (the picture shows a system with the options signal lamp, castors, and lateral guide rails)