



VARICON

Metal detection system for conveyor belt applications

- Compact metal detection system for the inspection of piece goods, load capacity up to 30 kg
- Easy integration due to shortest lengths
- Stable, reliable inline metal detection due to extremely short metal-free zone (MFZ)
- Complies with IFS and HACCP
- Version for dry and wet areas
- Application-specific separating systems



The VARICON metal detection system offers:

- Highest scanning sensitivity
- Sturdy design
- Maintenance-free drum motor drive
- Wiring complying with hygiene requirements
- Optimal cost-performance ratio
- Short delivery time

Main components:

- GLS tunnel metal detector
- Conveyor belt with 200 mm, 300 mm, 400 mm or 500 mm width
- Standard control unit for "stop-on-detect" or application-specific separating systems available



Functions:

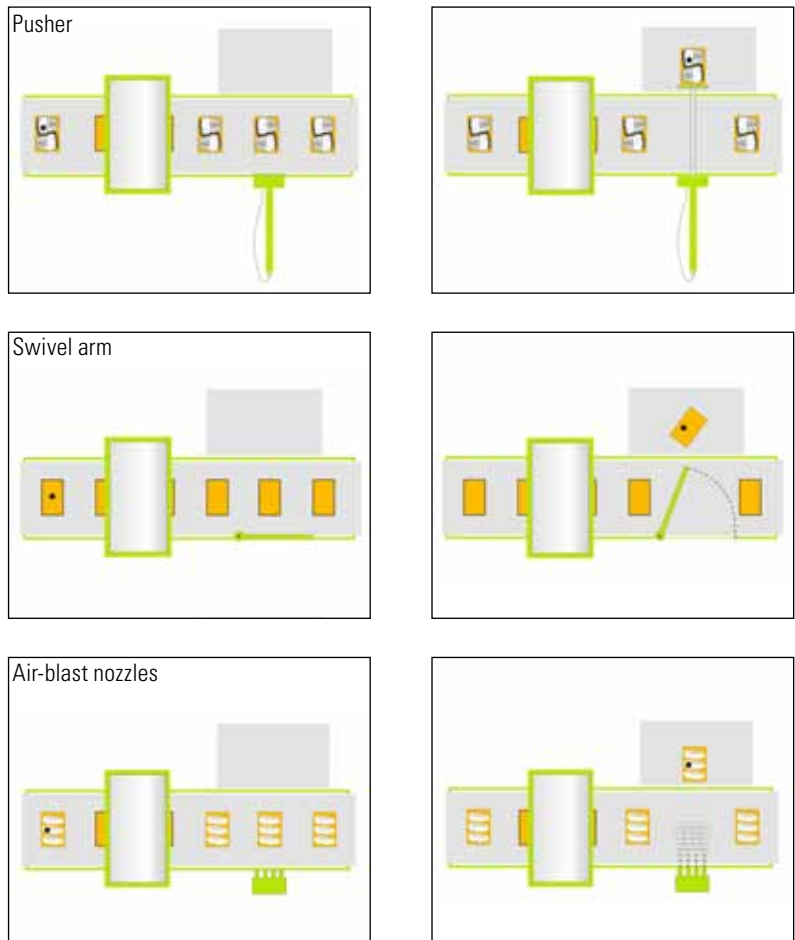
The VARICON metal detection system detects all metal contaminants (steel, special steel, aluminium, ...) – also metal contaminants that are enclosed in the product. It is used for the inspection of packed and unpacked piece goods.

Typical applications:

Incoming and outgoing goods inspection, inline inspection during packaging, weighing, labelling.
 Standard belt widths of up to 500 mm and effective passage heights of up to 350 mm.
 Product-specific separating systems such as pusher, swivel arm, air-blast nozzles, with lockable collecting container are available.

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 regulations of the food industry
- Multi-frequency technology allows an optimal inspection of a great variety of products



Examples of separating systems



VARICON-D with flat belt used for the inspection of packed piece goods in a dry area.



VARICON-W with interlinked conveyor belt used for the inspection of packed piece goods in a wet area.

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 combi-filter for suppressing external interference

The VARICON-D series is designed for dry-area applications, the VARICON-W series for wet-area applications.

If you need more detailed information ask for our technical data sheet or a discussion with our experienced S+S Sales team.