![sesotec logo]

# INTUITY
## Metal detector for installation in conveyor belts

■ Highest metal detection performance with multi-simultaneous-frequency technology

■ User-friendly control unit INTUITY CONTROL for reliable, safe, and easy operation

■ Audit-safe – Complies with all the established rules and standards for use in the food industry

■ Rapid return on investment due to quick and intuitive operation and reliable detection



*INTUITY – Tunnel metal detector with IO unit*

- Optimal detection and highest metal detection accuracy in the complete tunnel area

- Ball-size forecast, to see the actual sensitivity level with the current product

- INTUITY CONTROL with 7" touch display for intuitive and safe operation

- Ergonomic housing design for quick and easy operation

- Meets the specifications for metal detectors in the International Food Standard and other standards in the food industry

- Audit-check function, password-protected system logbook and menu-guided validation system for HACCP, IFS or BRC compliant quality control

- USB port for saving logbook data to a storage medium. Optional direct integration in a company network with INSIGHT.NET software solution and corresponding interface.

- Sturdy housing in hygienic design, detection tunnel and housing as standard prepared for wet cleaning (protection rating IP66 / 69K). Protection rating of touch display IP 65 (IP 66 / 69K as an option)

- Saves time and money due to reliable metal detection in the line with less faulty rejects

- Available as complete solution with conveyor belt and reject unit

The INTUITY CONTROL control unit is integrated in the INTUITY metal detector.

## Function:

The INTUITY metal detector with closed, rectangular aperture primarily is used in the food industry for the inspection of piece goods on a conveyor belt or a material slide. It detects all magnetic and non-magnetic metal contaminations (steel, stainless steel, aluminium, ...) even if such contaminations are enclosed in the product.

When a metal is detected a signalling device or a reject unit can be activated, or a signal is sent to the process control system.
The closed design of the INTUITY metal detector offers the advantage of a very high metal sensitivity throughout the complete tunnel area, which is why this metal detector is used for high-precision detection tasks (e.g. in the food industry). INTUITY metal detectors can be combined with conveyor belts including various types of reject units (air-blast nozzles, pusher, reject slide, ...).

## Performance features:

- Highest metal detection performance due to multi-simultaneous-frequency technology
- Reduced faulty rejects of products due to high mechanical stability and high interference immunity; largely insensitive to vibration, impacts, and temperature fluctuations
- Hygienic design, easy to clean, no dirt-collection edges
- Easy and safe operation
- Audit-safe solution

## Used for:

- Outgoing goods inspection of food materials acc. to IFS, BRC, HACCP, ISO 22000 etc.
- Quality inspection of incoming goods
- Machine protection in fruit and vegetable processing

## Typical fields of application:

- Food industry
- Chemical industry
- Pharmaceutical industry
- Packaging industry
- Cosmetics industry

## Complete systems:

Complete systems comprising INTUITY metal detector, conveyor belt, reject unit, sensors, and integrated software solutions can be easily integrated in the production line. All the components are optimally matched and thus guarantee highest operational reliability and detection accuracy. With the Higher Level Security option the system is ready for audit-checks according to all the established rules and standards in the food industry.

## Scope of delivery:

Tunnel metal detector with INTUITY CONTOL control unit, IO unit in separate housing with mains cable, connected through a 2m hybrid connecting cable.



UNICON+ metal detection system with integrated INTUITY metal detector, mechanical reject unit, and Higher Level Security option package for outgoing goods inspection.

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