

We adapt our metal detectors to meet IFS/BRC food standards

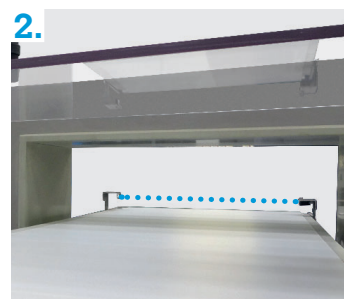
Nowadays more and more **food processing companies**, either on their own initiative or at the request of their clients, **work in compliance with IFS/BRC standards**, which certify the safety of food, guaranteeing that metal detectors perform correctly.

That is why at Dibal we have developed a **kit for all our conveyor belt metal detectors**; so that clients who work under the criteria of these standards can use our **equipment without risks**. If any error happens during the inspection and contaminated products treatment process, the IFS/BRC kit's elements will identify and indicate them and stop the process until they are corrected.

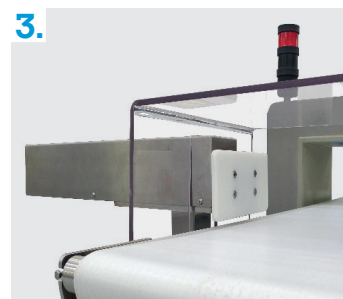
The kit includes:



1. An extension of the transport system to place the reject system and the container.



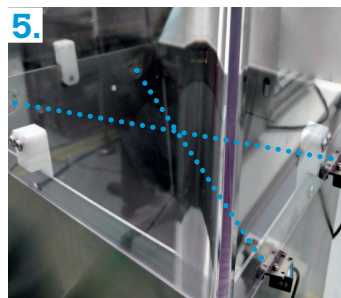
2. Product detector at the equipment entrance to control the detection and rejection for each processed unit.



3. Different rejection systems for the automatic expulsion of the contaminated product.



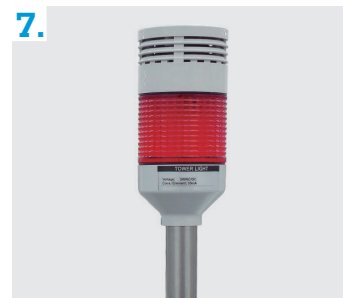
4. Different reject containers for non-conforming products, locked and with an inspection window.



5. Optical sensors on the reject container to guarantee that the non-conforming product has been ejected, and also to check the container's capacity.



6. Methacrylate tunnel from the detector's arc to the end of the equipment to avoid manipulation of the product after the detection process.



7. Light and sound alarm to indicate errors in the system and detections of contaminated products.

Easy messages on screen when errors are detected:

When the product's entrance detector does not work properly:

When the rejected product does not fit correctly into the reject container:

When the reject container is full:

Nº	Text
1-012	Product jam or check light barrier

Nº	Text
1-015	Rejection unit: reject failure

Nº	Text
1-010	Separation unit: collector container full

MD-5700

Outstanding functions

- Multi-frequency.
- Variable conveyor belt speed.
- "Auto-setup" with interference suppression and automatic calibration of sensitivity.
- Digital multi-filter: to guarantee maximum stability in harsh environments.
- Auto-balance: Automatic detection and compensation of any signal changes (example: variations in temperature).
- Precise detection area: Exact location of the metal particle in the detection field for easy separation.
- Auto-monitoring: To control the proper performance of the equipment.
- Automatic cancellation of product effect, with capacity to measure the product parameters in real time.
- Dynamic self-monitoring (monitoring changes in product characteristics). It guarantees maximum sensitivity in each operation.
- Safety: access protected by three password levels.

Construction

- Structure:
 - AISI 304 stainless steel tunnel, with IP66 protection (IP69K, optional).
 - Anodized aluminum frame (AISI 304 stainless steel, optional).
 - IP66 protection (IP69K, optional).
 - AISI 304 stainless steel electrical box, with IP69 protection.
 - Transport conveyor driven by motor with IP55 protection (IP66 or IP69K, optional).



- Belts:
 - Smooth rigid or modular.
- Console:
 - 5.7" colour touch screen (protection cover included).

Complete kit for compliance with IFS / BRC regulations

- Optional; it includes:
 - Conveyor length increase.
 - Optical rejection sensor + full bucket optical sensor.
 - Rejection system.
 - Methacrylate protection tunnel.
 - Closed with key bucket.
 - Visual and audible alarm.

Communications to PC

- RS-232.
- Ethernet.
- Wi-Fi, optional.
- USB port: to export reports of detection and changes on configuration, as well as for back up.

Power supply

- Electrical: 100 - 240 V AC, 50/60 Hz.

Possible integration with other equipment

- Dibal LS-5000, CLS-4500. automatic weigh-price labellers.
- Dibal CW-5000 checkweighers.
- Dibal GW-5000 graders.



MULTI
FREQUENCY



5.7" COLOUR
TOUCH SCREEN



RS-232



ETHERNET



Wi-Fi
OPTIONAL



USB



1,000 PLUs
IN MEMORY

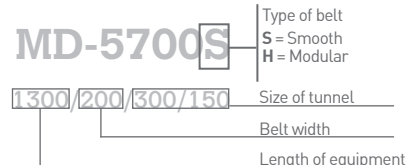
MD-5700S 1300/200/300/150

- W200 mm smooth belt.
- Maximum product dimensions:
 - Dry product: W200 x H75 mm.
 - Moist product: W200 x H50 mm.
- Maximum weight on belt: 15 kg.

MD-5700S 1300/300/400/200

- W300 mm smooth belt.
- Maximum product dimensions:
 - Dry product: W300 x H125 mm.
 - Moist product: W300 x H100 mm.
- Maximum weight on belt: 15 kg.

NAMES OF THE MODELS (EXAMPLE):



MD-5700S 1800/400/500/300

- W400 mm smooth belt.
- Maximum product dimensions:
 - Dry product: W400 x H225 mm.
 - Moist product: W400 x H200 mm.
- Maximum weight on belt: 15 kg.

MD-5700H 1300/300/400/200

- W382 mm modular belt.
- Maximum product dimensions:
 - Dry product: W300 x H125 mm.
 - Moist product: W300 x H100 mm.
- Maximum weight on belt: 50 kg.

MD-5700H 2400/500/600/400

- W382 mm modular belt.
- Maximum product dimensions:
 - Dry product: W500 x H325 mm.
 - Moist product: W500 x H300 mm.
- Maximum weight on belt: 50 kg.