

# New Foreign Bodies Guideline

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#### **EHEDG Guidelines**



DOC No.XX

GUIDELINE FOREIGN BODIES GUIDELINE

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### EHEDG and F.O.



No specific EHEDG guideline about F.O. control

Main guidelines focus on microbiological hazard

 In 2016, the working group was launched with more than forty participants and in fact a core team less ten members

# Some members

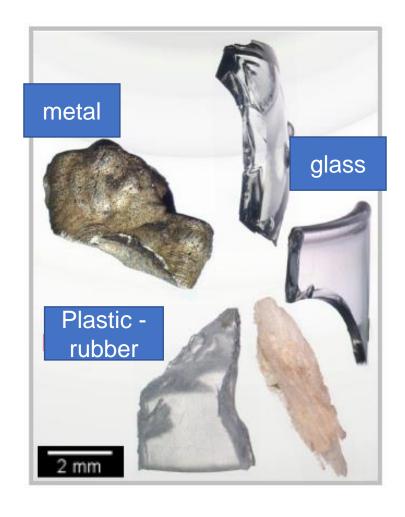


#### For example:

DOCEOR				
Ammeraal Beltech Holding BV				
Minebea Intec Aachen GmbH & Co. KG				
Tetra Pak Processing System				
NESTLE				
Sidel Group				
Diversey				
Volta Belting Technology				
CTCPA				
Detectamet Inc				
GROUPE BEL				
M&S				
SUNTORY BEVERAGE & FOOD EUROPE				
CAMPDEN BRI				
Cargill Meats Europe				
Florette Food Service France				
EAST BALT BAKERIES (BIMBO)				
APIA Technologies				

# Foreign objects, a main hazard







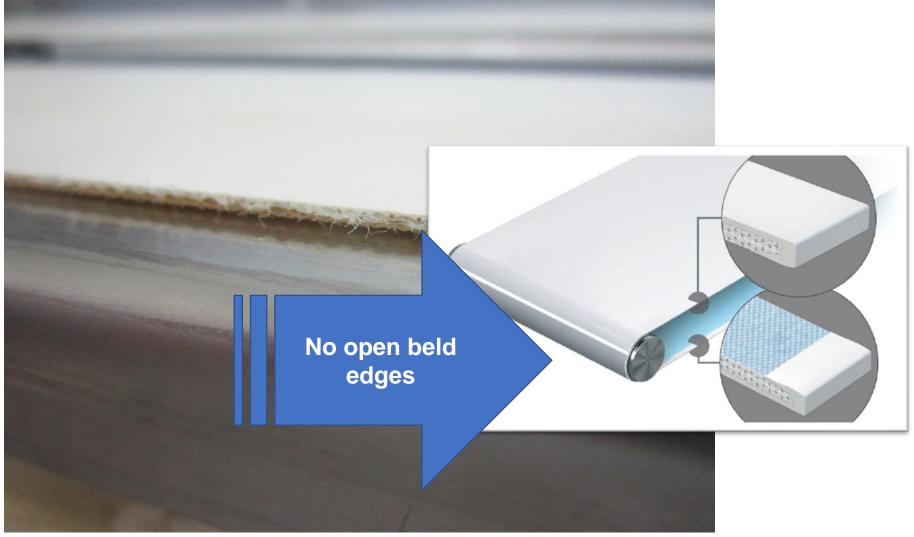
Initially the contents of the guideline focused on hygienic design, but this was supplemented by other topics to give a 360° approach to this problem.

# Summury



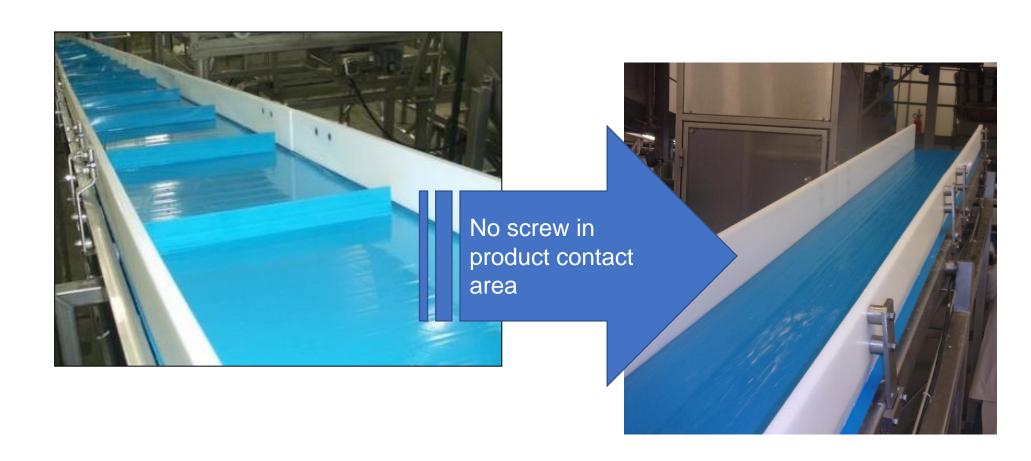
- General quality and food safety culture
- Management of incoming materials
- Prevention of contamination from equipment in contact
- Common hygienic design criteria
- Specific hygienic design criteria for closed equipment
- Specific hygienic design criteria for open equipment
- Prevention of contamination from environment
- Process aids & utilities
- Control & Mitigation measures
- Specific design if you have brittle container or issue from packaging
- Holistic overview of entire line







### Hygienic design



# ENGINEER, NC & DEST

#### Supplier & conditions of use





Where possible use easy open bags. This reduces the risk of plastic contamination, and provides ease of opening for the individual opening the bag.



#### Brush







Figure 8



#### 7.10.1 Rinse / Wash

Rinsing and washing equipment uses water to remove soil, leaves and other small particles from crops and fruits. For specific applications de-stoners are applier before using a wash / rinse phase to get rid of stones and other heavier objects.

There are two main types of rinsers / washers: drum washers and conveyor washers. In a drum washer, the product flows inside the drum, which is usually tilted so the product flows by gravity. Water is added from the top and the extraneous matter leaves the drum at the bottom, together with the excess water. A conveyor washer usually consist of a supply conveyor, a tilted plate with openings to get rid of the extraneous matter and excess water and an exit conveyor belt.





#### 7.10.9.4 Detection comparison

Challenge		Metal Detector	X-ray
Contaminants	Metal (Stainless-Steel, Ferrous, Non-Ferrous)	<b>*</b>	<b>✓</b>
	Glass, Stone, Bone, Rubber, Dense Plastic	Х	✓
	Aluminium	✓	X
Product Conditions	Salty / wet / high moisture content	Х	<b>✓</b>
	Temperature	X	✓
Packaging Type	Foil Trays	X	✓
	Packaging containing metal or metallised film	Х	1
	Ceramic Containers	X	✓
Process	Conveyorised (packaged or bulk flowing)	1	1
	Gravity Fed / Freefall	<b>✓</b>	✓
	Pipeline / Pumped	✓	✓



