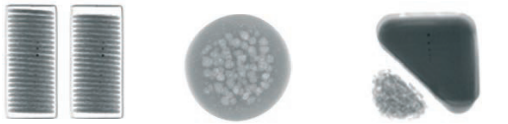


# X-ray inspection systems for packaged food products

Minebea Intec offers a complete portfolio of X-ray systems for inspecting packaged products. Typical applications include cartons, boxes, pouches, bags, trays and sachets that can contain a wide variety of dry or liquid food products. The models Dylight and Dymond are specifically designed for these applications and feature:

- Hygienic design, following EHEDG principles featuring sloped surfaces and curved edges allowing easy inspection and cleaning, resulting in considerable time and cost savings
- Combining high detection sensitivity with low power consumption
- 15" colour touchscreen display
- Covering belt widths from 200 mm up to 800 mm
- A wide range of standard possibilities for ensuring product integrity and quality, including:



Checking completeness      Determining product mass      Determining compartment mass

Are you looking to check specific quality attributes on your products? Please ask us. Through our Engineering Support services we offer individual software solutions for this.



For more information on Minebea Intec, our products and services or for locating our office and partners in your country, please visit [www.minebea-intec.com](http://www.minebea-intec.com).



Dymond 80



Dymond 120



Dymond 160

## Dylight

The Dylight X-ray inspection system is a true 'Plug and Play' solution, combining all functions in one compact unit. It is perfectly suited for the inspection of small products such as snacks, energy bars and sweets. Further features include:

- Extremely small width of only 1 metre, allowing you to integrate the unit in your packaging line, even when only very limited floor space is available
- Complete with integrated reject mechanism and collection container for contaminated or faulty products



Dylight

## Dymond 80/120/160

The Dymond Series of X-ray inspection systems is extremely versatile. Featuring 3 models it is able to cover the majority of applications for inspecting packaged products. With belt widths up to 800 mm it is ideal for multi-lane applications of up to 8 traces.

## X-ray inspection systems for large packages

With increasing product size and material density, high energy systems are required to ensure a reliable detection of foreign bodies. This is what the Dyxim FB Series offers.

### Dyxim FB

- For inspecting large packages such as sacks and boxes up to a size of 700 mm x 360 mm containing dry or liquid food products
- While identifying product contaminations, the FB Series can simultaneously perform in-line quality checks, including measuring mass, counting components and identifying missing or damaged products



Dyxim FB

## X-ray inspection systems for tall containers such as bottles, cans and jars

With the Dymond S, Dyxim S and Dyxim D, Minebea Intec offers a comprehensive product portfolio for inspecting tall containers. Next to reliably identifying products contaminated with foreign bodies, these systems can simultaneously perform in-line quality checks, e.g. monitoring of fill-levels.

### Dymond S

The Dymond S combines high detection sensitivity with low power consumption. The unit is optionally available with a so-called chicane belt. Ideal for those situations where only very limited space is available.



### Dyxim S

The Dyxim S is a high power system for reliably inspecting tall containers at very high speeds.



### Dyxim D

The Dyxim D is a dual beam X-ray inspection system that produces two X-ray images at a 90° angle. This improves the ability to detect contaminations in plastic and glass containers, jars and bottles particularly in comparison to single beam systems. Below pictures show some of the situations in which the Dyxim D proves its value.



#### Raised bottoms



The dual beam X-ray inspection system prevents blind areas when inspecting glass jars.

#### Large thin foreign bodies



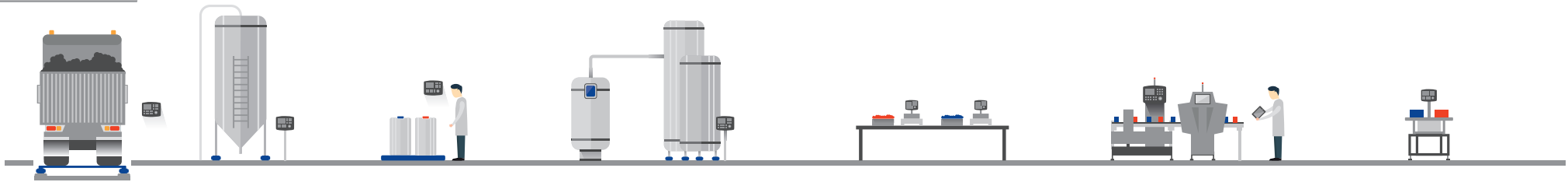
Reliable detection of a thin glass sliver, most likely not detected with a single beam system.

#### Inspection along the glass wall




Small foreign bodies near the glass are reliably detected with a dual beam system.

## Our product portfolio




Accurate control of incoming and stored materials      Achieving total process control      Ergonomic solutions ensuring accuracy and traceability      Ensuring product quality and food safety      Guaranteeing final product quality


**Truck Scale Components and Solutions**



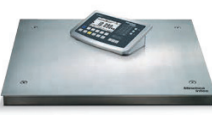
**Silo Weighing Solutions**



**Bulk Material Metal Detection Systems**



**Floor Scales**



*We provide products, solutions and services to the industry for increasing the reliability, safety and efficiency of production and packaging lines. Our portfolio covers applications from goods-in to goods-out, including automated as well as manual processes and filling and packaging.*

**Batching Solutions**




**Process Vessel Weighing (standard/digital solutions)**




**Process Vessel Weighing (hygienic solutions)**



**Portioning & Checkweighing**



**Formulation & Manual Recipe Weighing**



**Metal Detection**



**Checkweighing**



**X-ray Inspection**



**Filling Solutions**



**Statistical Process Control**



**Floor Scales**



**High Capacity Checkweighing**

