

Vigilant Eyes For Your Production.

X-ray sideshooter inspection systems.
One portfolio. Full range. Right fit.

Uncover what
others miss



**Minebea
intec**
The true measure



Uncover
what others
miss!



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Hunt down
contaminants and
quality deviations
with **X-ray**
sideshooters.

**One portfolio.
Four systems.
Always the right fit.**

**Discover the power of
X-ray inspection systems**

Where conventional topshooters reach their limits, X-ray sideshooters provide reliable inspection – even for dense, tall or complex containers. They detect foreign bodies and quality deviations, ensuring stable processes and maximum product safety.

Our structured portfolio offers the right solution for every requirement, from entry-level to high-end systems – without overengineering.



Small footprint. Low complexity.

Dylight S

Compact entry-level solution for the reliable inspection of light and small packaging:

Low-dose single-beam side-view inspection, extremely compact footprint, reduced system complexity, easy line integration.



Balanced performance. Extended control.

Dymond S

Versatile system for reliable foreign object detection across a wide range of applications:

Extended single-beam inspection coverage, quality checks including fill level and package integrity, flexible configuration options.



Multiple perspectives. Greater insight.

Dymond DSV

Advanced multi-view inspection for complex products and dense packaging in confined spaces:

Dual Split View technology, reduced blind spots in critical areas, compact design for demanding applications.



Maximum penetration. No compromises.

Dymond D

High-end system for maximum detection performance in the most demanding applications and at the highest line speeds:

Double-beam technology, engineered for dense materials, glass-in-glass detection and high throughput.

Unparalleled vigilance
for your production
needs.

Our promise

One solution. Clear advantages.

X-ray sideshooters are built to deliver reliable inspection performance under the most demanding conditions. They combine hygienic design, process stability, seamless integration and full transparency – giving you confidence, efficiency and control where it matters most.

Your advantages

Hygiene & Quality

- Hygienic design for easy cleaning, developed in accordance with current guidelines such as EHEDG.
- Reliable inspection performance to support standards such as IFS, BRCGS and HACCP.
- Safe operation thanks to shielded X-ray technology and standard compliant design.

Process stability

- Consistent performance even under changing production conditions such as temperature, humidity or line speed.
- Minimisation of false alarms through stable image processing and precise detection algorithms.
- Robust system design for continuous 24/7 operation.

Efficiency & Integration

- Easy integration thanks to a compact design and standardised interfaces.
- Real-time data and interfaces such as OPC UA or Modbus for seamless integration into existing systems.
- Intuitive operation and low maintenance requirements for maximum plant availability.

Transparency & Control

- Clear and traceable inspection data in real time.
- Support for audit and documentation requirements.
- Improved process control through continuous data analysis.

Hunting grounds for specialists:

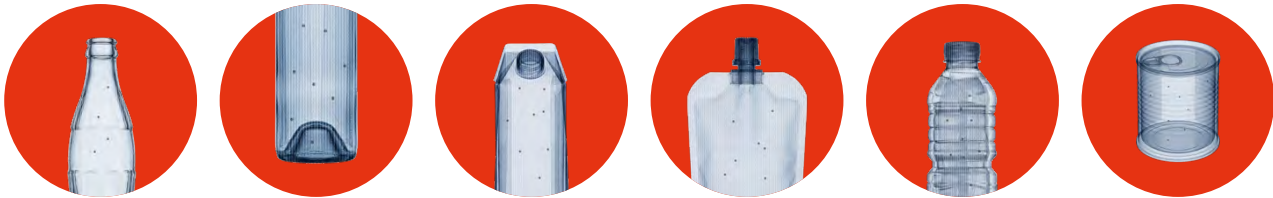
Sideshooter applications

Sideshooter X-ray systems inspect upright products where height exceeds width. They detect contaminants such as metal, glass shards, stones and certain plastics and enable in-line quality checks – including fill level, completeness and closure integrity.

Where others reach their limits.

Conventional inspection systems reach their limits with tall, dense or complex packaging. Product overlaps and challenging geometries make reliable detection difficult.

X-ray sideshooters provide a clear view of critical areas, ensuring stable and reliable results – even under demanding conditions.

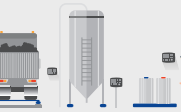


HACCP-relevant inspection at packaging

X-ray sideshooters verify product integrity at the packaging stage before goods leave production. Line-integrated, they detect foreign bodies and quality deviations, ensuring maximum product safety at a hazard analysis (HA)-based critical control point (HACCP).

In-line position

Incoming Goods



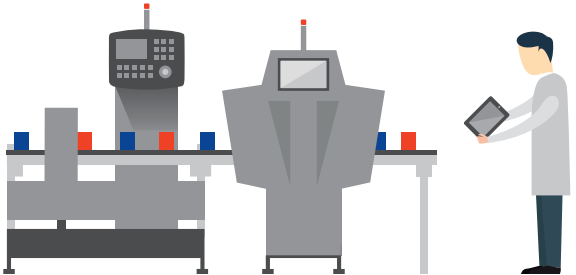
Automated Production



Manual Production



Packaging



Outgoing Goods



**Double Beam. Dual-Split View.
No blind spots.**

Real bite. For real performance.

Penetration power for tough materials.

Sideshooters use a lateral inspection geometry, scanning the upright product from the side rather than from above. This results in a shorter X-ray penetration path through the product, creating clearer images with fewer overlaps and significantly improved contrast.

Like a watchful eye, detectors continuously scan the product whilst intelligent software analyses the image data in real time. Deviations, density differences and defects are detected immediately – even inside the product, including metal, glass, stone, bone and a wide range of dense plastics and rubber materials, whether within the product or as part of the packaging.

The result is stable, precise inspection – even at high line speeds. Fast, focused and always on the right track.



Hygienic Design



OPC UA
upgradable



Statistics



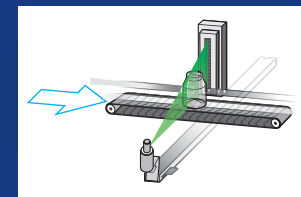
Foreign object
detection



Fill level
monitoring

Seeing what others miss.

With highly specialised, vigilant eyes, leopards detect the smallest contrasts, react instantly and remain focused in low light and complex environments. This combination of vigilance, precision and adaptability is mirrored in the way X-ray sideshooters perceive products. Discover how!



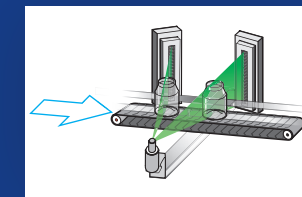
Side View – Single-Beam Configuration

Reduced overlap and full coverage of inner volume, side walls and base areas for upright packaging like composite cartons, cans, pouches or tall and small plastic bottles (Dymond S, Dylight S).



Scalable Power for Materials and Speed

High dose capability up to 2×1000 W adapts to required product densities and line speeds. It delivers the necessary penetration for stable detection at high throughput, even with dense materials such as glass or metal.



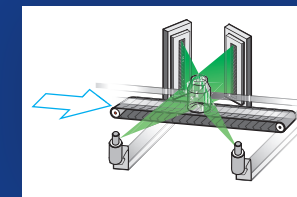
Dual-Split View – Blindspot Reduction

One X-ray source but two inspection perspectives reduce blind spots (Dymond DSV). Includes all containers plus glass jars.



Quality Checks & Hygienic Design

Dymond S, D and DSV provide fill level monitoring and completeness checks directly within the production flow. All systems feature hygienic design to support easy cleaning and reliable operation.



Double Beam – Maximum Visibility

Two X-ray sources maximise visibility of critical areas, optimise glass-in-glass detection and enable high-speed inspection of all upright containers (Dymond D).



Flexible Options. Full Control.

SPC@Enterprise enables advanced data analysis and transparency. A wide range of options adds flexibility – from tailored line layouts to turnkey solutions and support.

Options that make our portfolio unique. Scalable. Right fit. No overengineering.