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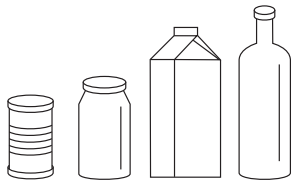
**X-RAY
DETECTION**

SIDE SCAN 4-VIEW BV

powered by

AICON X-RAY
IMAGING QUALITY

SIDE SCAN 4-VIEW BV



The most advanced, high-tech multi-beam X-ray inspection system on the market right now, this system features variable geometry for effective scanning of beams. This system has also been specifically designed to inspect semi-liquid and liquid products in glass packaging, where detection in the zone at the bottom of the packaging is of key importance. Providing excellent safeguarding against contamination and other quality deficiencies, this X-ray inspection system will protect both your product and your brand image.



150 m/min
Speed



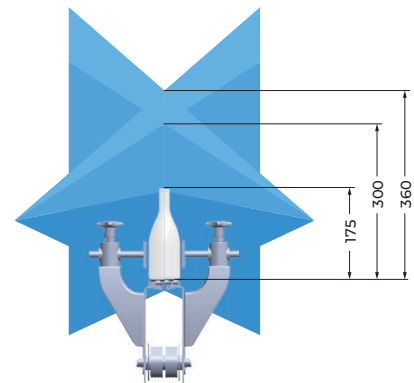
10 Gb/s
Processing



60.000 pcs/h
Performance

ADVANTAGES

- **Effective detection** - the highest detection level (POD) of metallic contamination, glass, stones, calcified bones, Teflon, ceramics, dense plastics, product lumps and more, with the lowest false rejection rate (FRR).
- **Multifunctional** - thanks to the industry-record number of image analysis algorithms, AICON X-RAY detectors can efficiently handle any type of application.
- **High-performance** - an innovative data processing method, supporting production lines of up to 60.000 pcs/h.
- **Flexible configuration** - versatile configuration options to suit a wide range of applications.
- **Traceable** - full product history (including the manufacturing process) and easy access to a detailed archive data for quality control.
- **Simple integration** - the turn-key solution enables uncomplicated and quick integration into the production environment.



The optimized beam geometry ensures the best contaminant detection results achieved in the bottom part of the container.

FEATURES

- **An intelligent, ergonomic design** - ergonomic solutions ensure comfortable operation and allow for easy and quick system adjustment, should you need to replace individual consumable components. Plus, these systems have been designed to the highest standard of hygiene for easy maintenance regardless of manufacturing conditions.
- **Simple and easy to use** - simple and convenient operation, thanks to the highly ergonomic system and automated product learning.
- **Interface personalization** - flexibility to adjust the control panel to suit individual user requirements, allowing for higher operational comfort.
- **Full MES integration** - intelligent integration into the production environment and vast compatibility with current industry standards guarantee seamless communication of the X-ray detection system with key devices in the production line (including EtherNet/IP, PROFINET, S7, EtherCAT, Modbus-TCP, Profibus, CAN, CANopen, OPC UA, SQL, Siemens Standard and RS).

TECHNICAL SPECIFICATION

| | |
|------------------------------|---|
| Troughput | ≤ 60.000 pcs/h |
| Detection area | 360 mm x 150 mm (H x B) |
| Diode resolution | 0,4 mm – 0,8 mm |
| X-ray source | 35-100 kV / 1.0-8.0 mA, 500 W |
| Number of scanning beams | 4 |
| Beam direction | Horizontal, Diagonal |
| X-ray emission | <1 µSv/h, the product complies with legal EU directives |
| Cooling | Dry Air Cooling system |
| Operating environment | Temperature: 0 - 45 ° C, humidity: 30 - 95%, non-condensing |
| Ingress Protection | IP65 (optional IP69) |
| Construction material | Bead-blasted stainless steel 1.4301 (AISI 304) |
| Display | TFT LCD 19" Touchscreen |
| Operating system | Windows 10 Enterprise |
| Software | AiSoft |
| Number of product programmes | 1000 |
| Disk space | 500 GB for x-ray pictures and internal data storage, expandable |
| Communication interfaces | Ethernet 10/100/1000 mbps, USB 3.0 for external data storage |
| Air requirement | Min. 6 bar for pneumatic rejection systems |
| Power supply | Three phase, 230 VAC +/- 10%, fuse 20 A |
| Dimensions | 3918 mm x 1585 mm x 2417 mm (L x B x H) |



CUTTING-EDGE TECHNOLOGY IN X-RAY INSPECTION



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