



XRAY SHARK® XBD10 **Advantages**

Cassel GmbH Germany | In der Dehne 10 | 37127 Dransfeld
Tel.: +49(0)5502-9115-0 | Fax: +49(0)5502-9115-32 | www.cassel.de

XRAY SHARK® XBD10 Advantages at a glance



100% Safety

Cassel takes great pride in the safety of our X-ray devices. A Cassel XRAY SHARK ensures foreign body inspection with total safety for the health of your operational staff. TÜV approved.

Low cost of ownership

Cassel x-ray devices are composed of high quality components. This ensures many years of hassle free operation.

User friendly

The brilliant and large 17" Touch screen along with the clearly structured X-ray Software let the operator intuitively set up their products.

Superb inspection sensitivity

The Cassel XRAY SHARK includes a broad variety of sophisticated inspection features. First-rate detection results are achieved even with complex products.

Wide X-ray Detector 307mm Width

The XBD10 offers a unique relation of compact design and large Inspection area. This allows the inspection of larger products compared to other entry-level X-ray models available in the market.

Quality - Made in Germany

Cassel x-ray inspection systems are engineered and manufactured in Germany. The result is long term reliability and endurance.



XRAY SHARK® XBD10 Advantages

100% Safety



Safety circuit

The XBD10 has a PILZ safety circuit. Magnetic safety switches at cabinet doors and tunnel hatches ensure that radiation immediately is switched off, when a door is opened. The PILZ provides full and independent safety in any case, even when the built-in computer fails.



Total Length 1000 mm

The XBD10 has an infeed and outfeed tunnel. This way a human arm cannot reach the direct X-ray beam.



Reliable German Safety Standards – TÜV approved

Cassel evaluates every XBD10 considering highest safety standards. Maximum leakage radiation 1 μ Sv/h or less @ 10cm outside cabinet surfaces is approved by German TÜV.



X-ray protective curtains

Flexible and double-layered X-ray protective curtains protect the operator from leakage radiation.

Low Cost of Ownership

High Quality Cassel Low Power X-ray Generator

The X-ray Generator of the XRAY SHARK XBD10 was especially designed for industrial product inspection. A long live time can be taken for granted – even with 24/7 operation. The Cassel x-ray generator is made in Germany. While many competitors have an infamous mono block generator with short live time.

Advanced and efficient cooling system

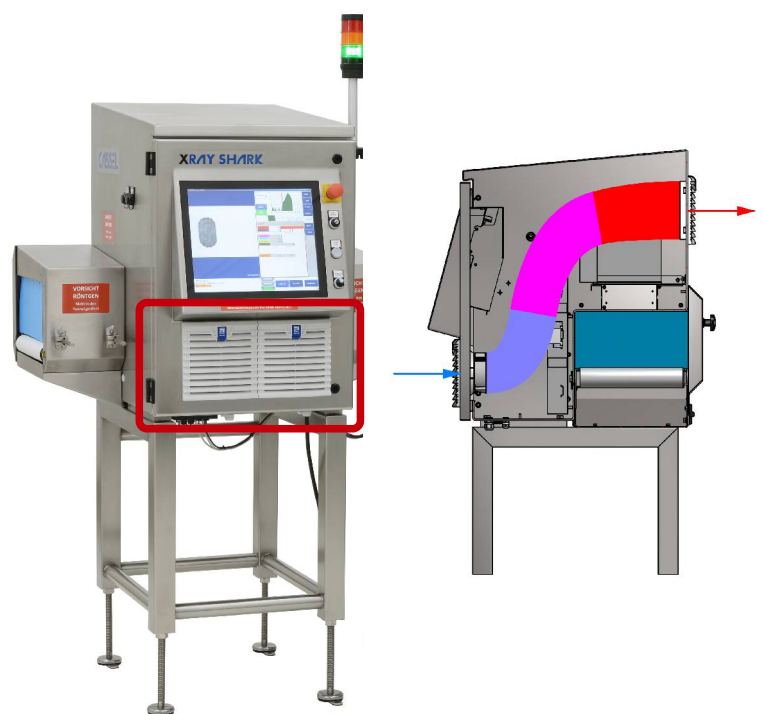
Cassel designed this cooling system considering every specific requirement of all components. The cooling system avoids that the X-ray generator gets overheated. This ensures a long life time of the X-ray tube and other components.

Made in Germany - High Quality Components

We value high quality components even for the smallest details. This is why we carefully chose every component under strictest quality standards.

Spare Parts for replacing single components

Cassel provides all spare parts for the XBD10. Components can be easily replaced. This way downtimes can be minimized.



XRAY SHARK® XBD10 Advantages User friendly



17" Touch Screen

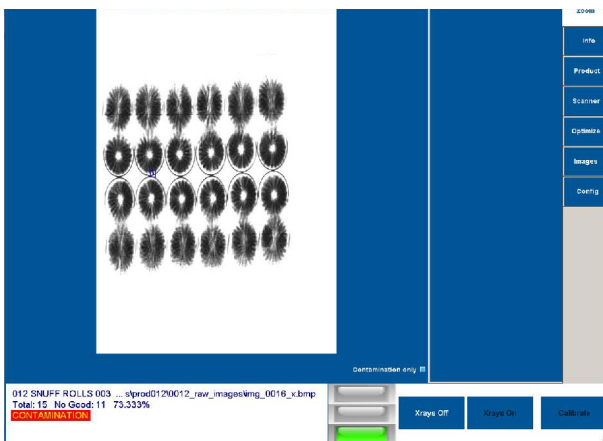
The XBD10 has an ergonomic, inclined and large Touch Screen.

Inspection

Real time detection with colored contamination analysis.

Interfaces

Ethernet and USB interfaces for Data management and remote maintenance.

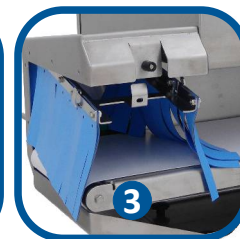


Intuitive XIA3 Software

For operating the XIA3 Software no advanced technical skills are necessary.

Automatic storing

Auto storing of inspection data, with time /date stamp.



Easy Cleaning

Quick release conveyor belt for better handling.

Cleaning in 5 easy steps for minimum downtimes.

XRAY SHARK® XBD10 Advantages

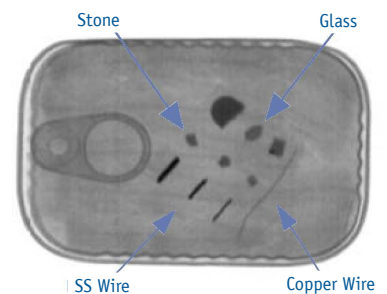
Superb Inspection Sensitivity

Advanced and efficient Technology

Cassel developed the sophisticated XIA3 software for X-ray product inspection. The XIA3 software has the perfect combination: high quality image processing and intuitive operation.

Inspection features

The XIA3 Software offers a variety of inspection features, which make possible to achieve highest sensitivity even in complex products.



Wide X-ray Detector 307mm Width

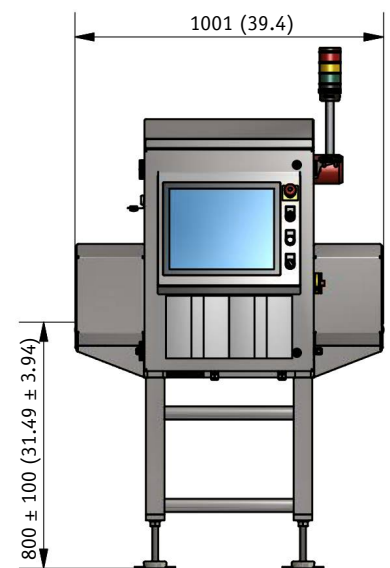
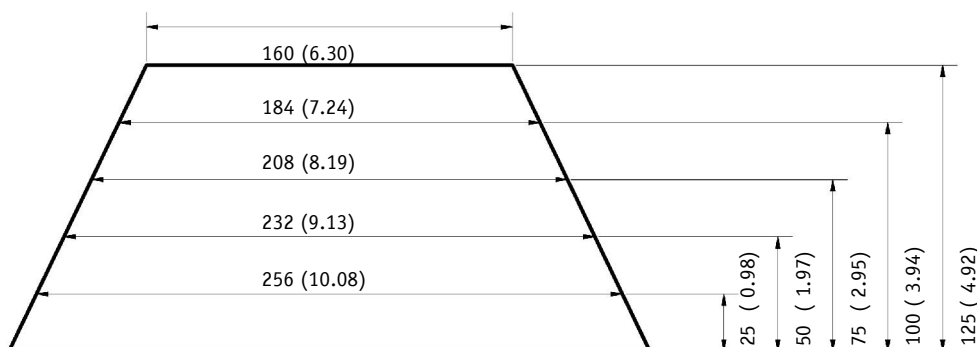
Large inspection area

Inspection of larger products up to compared to other entry-level X-ray models available in the market.

Compact design

Overall, the conveyor length of the XBD10 is 1 meter. This makes it perfect for fitting into any production line.

Max. product height versus max. product width, due to cone shape of x-ray beam fan.



Quality - Made in Germany

Quality - Made in Germany

Cassel x-ray inspection systems are engineered and manufactured in Germany. The result is long term reliability and endurance.



Metal Detection, Checkweigher and X-Ray



METAL SHARK® GF



WEIGH SHARK® Checkweigher



METAL SHARK® IN MEAT



METAL SHARK® Conveyor



METAL SHARK® IN Liquid



XRAY SHARK® X-Ray



Cassel Messtechnik GmbH (Germany) – Headquarters and main production site

Located near Hannover, Germany, Cassel manufactures approximately 1.000 inspection systems annually. Nearly 80 percent of Cassel equipment is exported to the European Union, United States, Southeast Asia, Australia, South Africa and South America. Cassel supplies equipment to a number of industries, including food, plastics, pharmaceuticals, textiles, forestry and mining. Cassel equipment can be found in the production lines of many global and respected brands.



Cord Cassel
Managing Director of Cassel Messtechnik GmbH

Customers receive valuable worldwide service and support wherever their product inspection systems may be located. Over 50 representative offices located around the globe provide service performed by factory-trained technicians.

Since 1994, Cassel Messtechnik GmbH (Cassel) has led the industry in the design and build of metal detection, checkweigher and x-ray inspection systems for industrial applications. Cassel systems protect valuable production machinery against damage caused by undiscovered metal parts. Another area in which Cassel succeeds is Quality control in the consumer goods industry. Cassel strives to supply quality and high performance at a reasonable price.