

- X-ray inspection for packaged food or non-food products
- Detects high density materials like metal, ceramic, stone or plastic
- Easy operation with autocalibration and clearly arranged functions on 17" touchscreen
- XIA software for instant analysis and detection with high accuracy and reliability
- Quick release conveyor belt for easy cleaning and maintenance



- Real time detection with coloured contamination analysis
- Masking functions
- Auto-storing of inspection data with time and date stamp
- User-friendly menus for easy operation
- USB and Ethernet
- Quick release conveyor belt
- Easy maintenance and cleaning
- Built-in remote maintenance
- 24 hours non-stop operation
- TÜV-approved: reliable german safety standard (optional TÜV certificate)



Large display and clearly arranged functions for easy operation.

Function:

The XRAY SHARK® XD28-L1 particularly suitable for packaged food or non-food products, for example in boxes, plastic packaging and even metal foils or metal cans. Undesirable contaminants such as metal, stone, ceramic or plastic with high density can be detected in the product.

The hygienic design allows easy cleaning and maintenance without any additional tools. Thus, the XD28-L1 is especially suitable for all industries that have to ensure effective hygienic standard (also available with IP66).

Scope of Delivery:

- Xray Scanner with image processing software XIA
- Complete protection against radiation and PILZ safety circuit
- Certified test cards with soda lime glass, ceramics, steel spheres in various diameters

Accessories & Extras:

- Separate conveyor with automatic reject
- Radiation counter
- 21 CFR Part 11 compliance
- BRC compliance kit



XRAY SHARK® XD28-L1 with air pressure reject system.

Application:

Inspection of packaged food and non-food products in

- cardboard or plastic boxes
- plastic or metal foils
- pouch bags
- jars or metal cans
- etc.

Industries:

- Food and non-food
- Pharma
- Hygiene and Cosmetics
- etc.



Removable double curtains for user protection and easy handling.

Specifications:

Model	XD28-L1 (former XBD10)
X-ray source	Single beam x-ray generator with max. 60kV (50W), variable in voltage + current
Radiation leakage	1 µSv/h or less at 10 cm outside cabinet surfaces and using all safety devices
Safety	X-ray protective curtains (lead-free) - quickly detachable, magnetic safety switches at cabinet doors and tunnel hatches, emergency stop push button, emergency stop in/out interfaces to safety circuits of production line, X-ray off key switch, PILZ safety circuit
X-ray detector	Low noise 307 mm line scan CCD, diode pitch 0.8 mm or 0.4mm (optional), integrated x-ray beam stop
X-ray view	1x top down
Cooling	Highly efficient, silent DC filter fans
Housing finish	Stainless steel grade AISI 304 / DIN EN 1.4301 (X5CrNi18-10)
Enclosure rating	IP54 (according to IEC 60529), optional in IP66
Conveyor belt type	Polyurethane belt light blue, food grade
Belt width	300 mm
Scanning width	280 mm
Conveyor speed	0.05 to 0.98 m/sec
Max. product dimensions (width x height)	250x25 mm / 230x50 mm / 200x75 mm / 180x100 mm / 155x125 mm
Max. product weight	7 kg
Available reject method	Additional conveyor with air gun or transversal pusher
Product memory	255 different product set-ups
Display	17" Color-TFT capacitive touchscreen
Inspection features	Autocalibration, auto adaption to density distribution, density, hard contrast, soft contrast, masking technology, SuperContrast, SizeFilter, AutoEdge masking, images AutoSave/Load, multi segment inspection, metal can and foil inspection, fill quantity, generator energy by product, password protection
In-/Outputs	Programmable outputs (contamination, ready, Emergency OFF) Programmable inputs (Emergency OFF, wake up, optional control signals)
Data transfer	Ethernet for remote support via internet, USB for external keyboard/ mouse/ memory stick
Max. weight	0,4 t
Power supply	1ph, 230 VAC +/- 10%, 50/60 Hz, full operation max. 0.5 kW
Compressed air supply	Without pusher 0 MPa (0 bar/0 psi) With optional pusher system 0,4 MPa (4 bar/58 psi)
Environmental conditions	0°C to +30°C / 32°F to 86°F, with relative humidity max 90%, non-condensing Option: additional external cooling devices to extend the temperature range
Conformity	CE, compliant to German x-ray regulations, specific adaptation for other countries

All information is based on standard devices. There possibly will be differences depending on the application. Changes to be expected.

Easy Cleaning:



Open side panel.



Remove curtains.

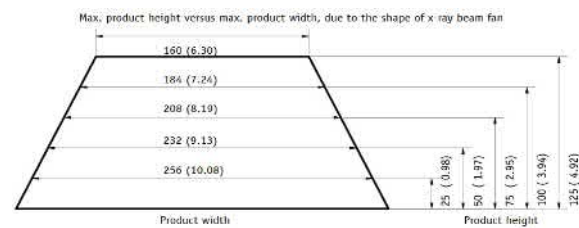
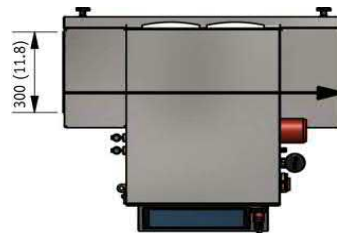
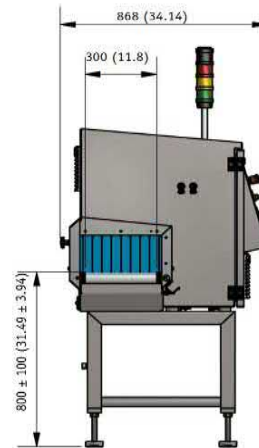
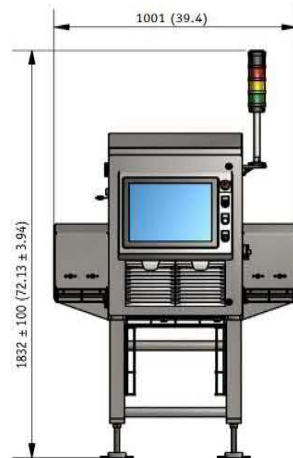


Release the conveyor belt.



Remove conveyor belt.

Dimensions:



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As a premier manufacturer, CASSEL is committed to the highest quality standards. For more than 25 years, our goal has been to ensure the uncompromising quality of your products. We supply customers worldwide in various industries, including food, plastics, pharmaceuticals, textiles, lumber and mining.

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