

- 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
- Construction is optimized for easy cleaning and maintenance



- Real time detection with colored contamination analysis
- Masking functions to prevent false rejects
- Auto-storing of inspection data with time and date stamp
- USB and Ethernet for data transfer to PC or memory stick
- Hygienic design for easy maintenance and cleaning
- User-friendly menus for easy operation
- Built-in remote maintenance
- 24 hours non-stop operation
- TÜV-approved: reliable german safety standard (optional TÜV certificate)



A large touch screen and clear menus ensure easy handling in daily business.

Function:

The XD47 is particularly suitable for packaged food or non-food products, for example in plastic packaging, jars, cartons and even metal foil or metal cans. It detects unwanted foreign objects such as metal, stones, ceramics or plastic with high density in the product.

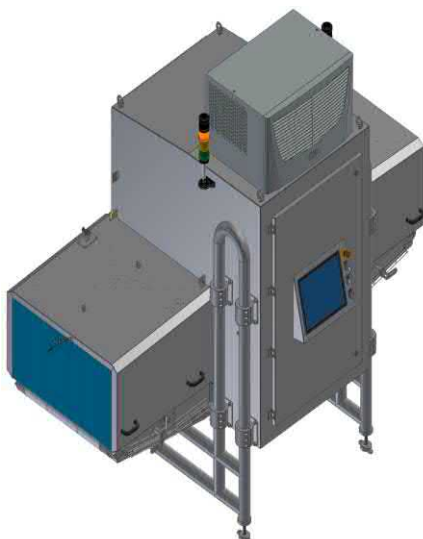
All devices are individually manufactured and can therefore be perfectly adapted to your existing production line and individual product requirements. XD47-H2-E2-MEAT is already optimally adapted to the inspection of meat in standardised E2 crates as standard.

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® XD47-H1 for package products in cardboard boxes.

Applications:

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:

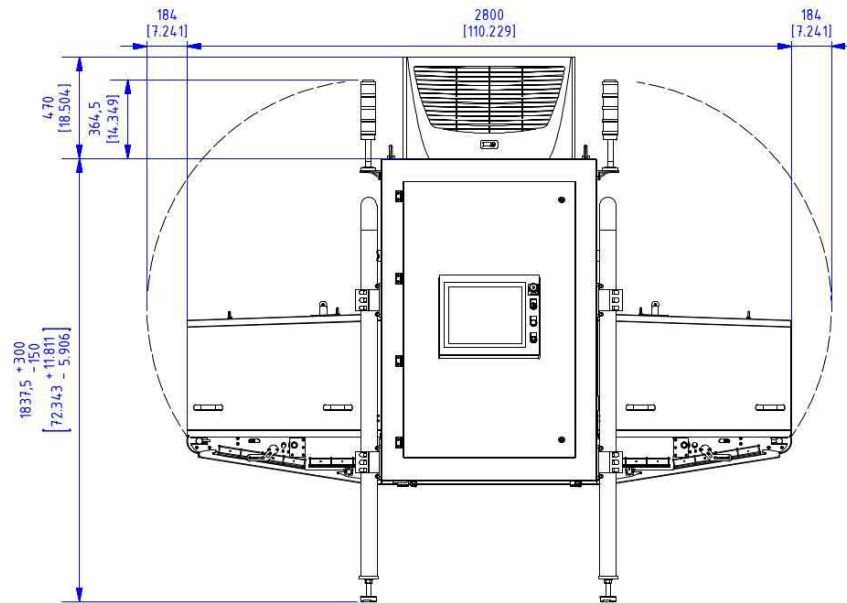
- Food and non-food
- Pharma
- Hygiene and Cosmetics
- etc.

Specifications:

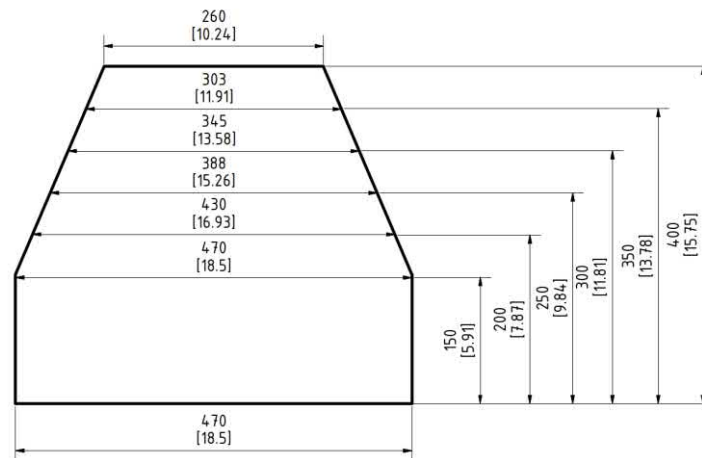
Model	XD47-H1 (former XBD40+)	XD47-H2 (former XBD80)	XD47-H2-E2-MEAT (former XBD80 E2)
X-ray source	single beam x-ray, max. 80kV (480W)	dual beam, max. 80kV (2 x 480W)	dual beam, max. 80kV (2 x 480W)
	variable in voltage and current		
Radiation leakage	3 µSv/h or less at 10 cm outside cabinet surfaces 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 612 mm line scan CCD diode pitch 0.8 mm or 0.4 mm (optional)	Low noise 510 mm line scan CCD	Low noise 510 mm line scan CCD
X-ray view	1x top down	2x top down	2x 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), including touch panel and fans		
Conveyor type	PU, white, food grade		
Belt width	470 mm	470 mm	470 mm
Scanning width	470 mm	470 mm	470 mm
Conveyor speed	0.05 to 0.98 m/sec		
Max. product dimensions (width x height)	440x180 mm / 380x250 mm / 350x300 mm / 260x400 mm / 220x450 mm	470x400 mm	470x400 mm
Max. product weight	50 kg		
Available reject method	Additional conveyor with transversal pusher		
Product memory	255 different product set-ups		
Display	17" Color-TFT capacitive Touchscreen		
Inspection features	Auto calibration, auto adaption to density distribution, density, hard contrast, soft contrast, masking technology, super contrast, size filter, auto edge, images auto save/load, multi segment inspection, metal foil inspection, fill quantity, generator energy by product, password protection		
In/Outputs	Programmable outputs (contamination, ready, emergency stop) Programmable inputs (emergency stop, wake up, optional control signals)		
Data transfer and reporting	Ethernet for remote support via internet, USB for external keyboard/ mouse/ memory stick		
Max. weight	1.3 t	1.4 t	1.4 t
Electrical mains connection	1ph, 230 VAC +/- 10%, 50/60 Hz, 2.0 kW full operation		
Compressed air supply	Without reject system 0 MPa (0 bar/ 0 psi) With optional reject system minimum 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 excepted.

Dimensions (example XD47-H1):



Product dimensions XD47-H1:



CASSEL quality:

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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