

The end-of-line inspection system offers maximum safety: By using X-ray technology the XRE-D detects contaminated, damaged and defective products and packagings. Besides metallic and non-metallic foreign objects it detects missing, defective or misshaped products as well as overweight or underweight. Thanks to an efficient quick conveyor belt change system the belt can be changed within two minutes.



More information
High performance
with a wide range of
solutions and options.

Specifications	Facts	Details
Conveyor belt width/ CBW	230 mm	
Max. inspection height	120 mm	
Max. inspection width	200 mm	
Conveyor belt height	900 ± 50 mm	
Installation length	800 mm 1,200 mm	with integrated rejection device
Use	<ul style="list-style-type: none"> – Contaminant detection – Counting of products – Completeness check – Detection of defective/misshaped products – Inspection of multiple lines – Inspection of products with variable density ranges 	<ul style="list-style-type: none"> – Safe detection of all magnetic and non-magnetic metals, glass, stones, bones, rubber, PVC etc. in food and other products, also in metal containing or aluminum coated packages – Optional software for detection of further product defects: among other things breaks, deformations, air pockets, clumping, missing products or items – Multi-product software for detection of up to 4 lines and for chaotic product feed
Max. load	5 kg	
Product features	Packaged or firm consistency	No open liquids
Product temperature	-20 °C to +80 °C	
Operating conditions	+5 °C to +32 °C	<ul style="list-style-type: none"> – Other temperatures upon request – Avoidance of direct sunlight – Relative humidity 10-95 %, non-condensing
IP rating	IP65 IP54	Discharge conveyor Complete device
Scope of delivery	Flat belt conveyor	With integrated X-ray scanner system
Mechanical design	Stainless steel 1.4301 (AISI 304) Stainless steel 1.4301 (AISI 304L) Drive via 3-phase drum motor DC drive motor Belt	Housing, covers and conveyor belt frames Glass beaded finish, guide roller and drum motor Including thermal contact monitoring FDA quality: white polyester (PES)
Electrical design	Combined control and operating unit for conveyor belt and X-ray system	Rotary main switch, key switch, ON/OFF switch, emergency stop switch

	Signal lamp	<ul style="list-style-type: none"> – Emergency stop switch for "X-rays on": red – System failure: orange – Normal operation: green
	All housing parts required for radiation protection are secured	Magnetic safety switch: Double evaluation
	Cooling device for temperatures of up to +32° C / 89.6° F	For optimal cooling of the housing even in a moist or dusty environment
Conveying speed	0.2 m/s	Adjustable via integrated frequency converter from -60 % to +30 % of the nominal speed, more speeds upon request
	0.8 m/s	
Operating voltage	230 VAC (± 10 %) 50 / 60 Hz	single phase
Fuse	10 A	
X-ray tube	50 kV/1.2 mA	
X-ray scanner	High resolution X-ray detector	Accuracy Ø 0.6 mm (depending on the product)
Analog data processing device	<ul style="list-style-type: none"> – Industrial PC with 10" LCD flat screen with touch screen – Integrated connection for Remote Portal™ – Galvanically isolated inputs/outputs – Light sensors – Status signals 	<ul style="list-style-type: none"> – To connect to a customer provided network (optional) – For up to four rejection systems – For exact rejection and rejection monitoring – Can be integrated in customer provided control of entire system etc.
Software	State-of-the-art image processing software based on real time operating system	<ul style="list-style-type: none"> – Easy and intuitive operation via pop-up menus – Password protected – Automatic product teaching for foreign object detection – Product memory – Logging and archiving of relevant data: Throughput, pictures of non-conforming products, rejection statistics etc. – On-going monitoring of internal process flows
Options	Facts	Details
Voltage transformer	US version, allows parallel control of two motors (e.g. XRE-D and rejection conveyor)	115 VAC (±10 %), 60 Hz, incl. power cable
Cover for rejection system	Door	Cover of reject bin can be locked with a key
Sensor package	Higher Level Compliance	<ul style="list-style-type: none"> Compressed air monitoring Photogating sensor Rejection system function test Rejection system fill level indicator Rejection system status check Encoder function
Warning device	Lamp and/or horn	Blue indicator light active during audit check; signal horn active if a foreign object or another product defect was found
Dose rate meter	X5cplus	incl. batteries and leather pouch

Bizerba SE & Co. KG

Wilhelm-Kraut-Straße 65
72336 Balingen

T +49 7433 12-0
fax: +49 7433 12-2696
marketing@bizerba.com

www.bizerba.com