



FOOD FREE OF  
FOREIGN OBJECTS

## HEUFT *eXaminer II* XBL

Top-down inspection with pulsed X-ray technology based on the HEUFT *SPECTRUM II*.

### Effective injury and recall prevention

Reliable foreign object detection during the complete inspection of filled primary, secondary and tertiary packaging as well as solid products.

### Reliable integrity check

Certain detection of incomplete products and packaging as well as defects.

### Superior technologies and maximum automation

Optimised pulsed X-ray technology and maximum detection accuracy with minimum radiation. Highly automated HEUFT *SPECTRUM II* platform with self-explanatory user guidance.

### Flexible expansion for even more performance

Multi flash option for the complete inspection of even larger products. Division of the conveyor for the parallel inspection of two smaller products at the same time.



## HEUFT *eXaminer II* XS

Space-saving end of line X-ray system of the new generation for a double sidewall inspection.

### Foreign object detection on a HEUFT level

Maximum food safety due to unique pulsed X-ray technology for a careful and precise identification of high-density foreign objects in freshly filled food cans, squeeze bottles, stand-up pouches and doypacks.

### Full coverage in a confined space

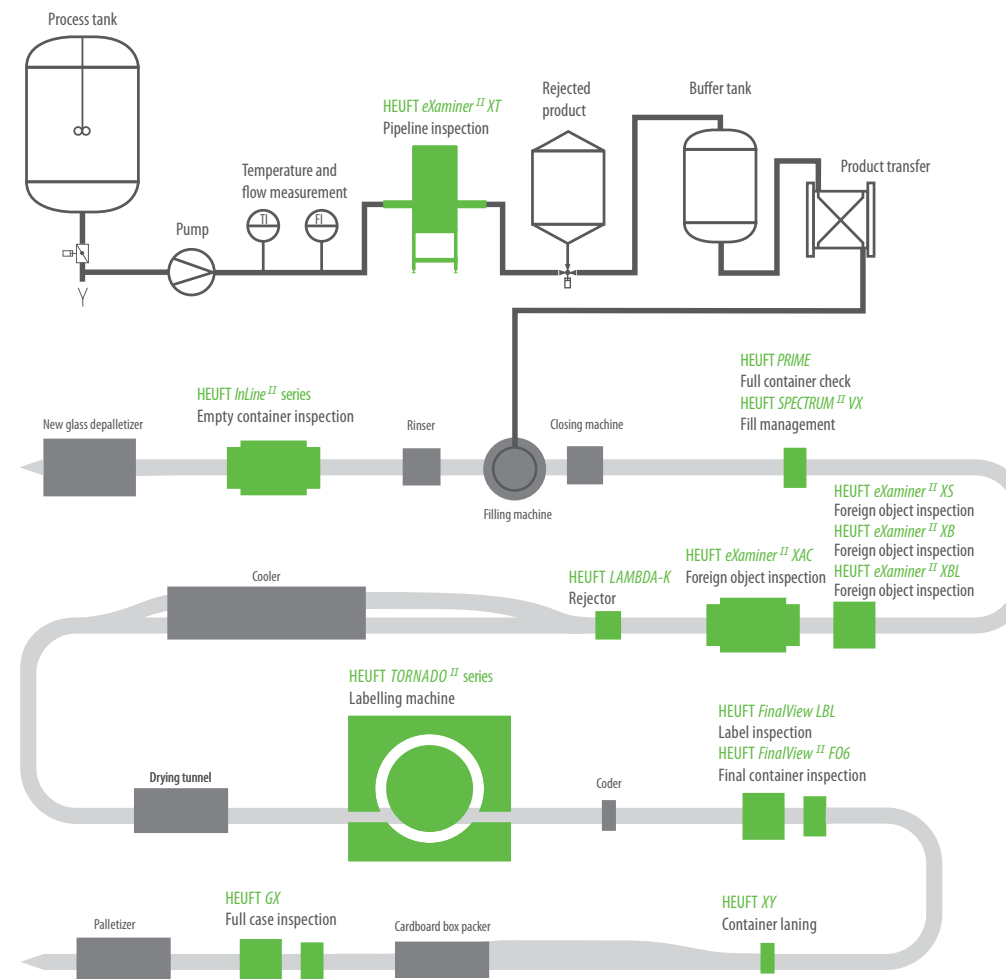
Optimally arranged X-ray strobes, safely enclosed in a particularly space-saving casing directly at the conveyor for full detection certainty without blind spots from the container base to the fill line.

### Fewer false rejections

Highly precise product tracking and the HEUFT *reflex<sup>2</sup>* real-time image processing system with learning ability for the reliable differentiation between real and supposed safety risks.

### Full operational and manipulation reliability

Highly automated HEUFT *SPECTRUM II* system with self-explanatory HEUFT *NaVi* user guidance for a safe and error-free operation.



## FULL FOOD SAFETY FROM THE BEGINNING TO THE END

**From top to bottom, faulty to faultless, contaminated to uncontaminated, dangerous to safe and premium to standard. Indeed from A to Z:**

HEUFT ensures a perfect, genuine product free of dangerous foreign objects from the beginning to the end. Minute contaminants are already reliably identified in unpackaged product mass and empty containers. Superior end of line systems provide full safety for finished

packaged products. They find glass splinters, metal particles, stones, bone fragments or hard plastic pieces with unrivalled care and precision using unique pulsed X-ray technology and remove contaminated products consistently.



## HEUFT eXaminer II XBL

Top-down inspection with pulsed X-ray technology based on the HEUFT SPECTRUM II.

### Effective injury and recall prevention

Reliable foreign object detection during the complete inspection of filled primary, secondary and tertiary packaging as well as solid products.

### Reliable integrity check

Certain detection of incomplete products and packaging as well as defects.

### Superior technologies and maximum automation

Optimised pulsed X-ray technology and maximum detection accuracy with minimum radiation. Highly automated HEUFT SPECTRUM II platform with self-explanatory user guidance.

### Flexible expansion for even more performance

Multi flash option for the complete inspection of even larger products. Division of the conveyor for the parallel inspection of two smaller products at the same time.



MULTI BEAM FOR LARGER PRODUCTS

STONE

FRUIT STONE

METAL WIRE

X-RAY INSPECTION OF UNPACKAGED PRODUCT MASS

UNIQUE PULSED X-RAY

FULL COVERAGE OF THE COMPLETE CONTAINER VOLUME

OPTICAL AND X-RAY INSPECTION

METAL IN GLASS

CERAMIC FRAGMENT

GLASS SPLINTER

GLASS IN GLASS

## HEUFT eXaminer II XS

Space-saving end of line X-ray system of the new generation for a double sidewall inspection.

### Foreign object detection on a HEUFT level

Maximum food safety due to unique pulsed X-ray technology for a careful and precise identification of high-density foreign objects in freshly filled food cans, squeeze bottles, stand-up pouches and doypacks.

### Full coverage in a confined space

Optimally arranged X-ray strobes, safely enclosed in a particularly space-saving casing directly at the conveyor for full detection certainty without blind spots from the container base to the fill line.

### Fewer false rejections

Highly precise product tracking and the HEUFT reflex<sup>2</sup> real-time image processing system with learning ability for the reliable differentiation between real and supposed safety risks.

### Full operational and manipulation reliability

Highly automated HEUFT SPECTRUM II system with self-explanatory HEUFT NaVi user guidance for a safe and error-free operation.



## HEUFT eXaminer II XT

Optimised pipeline inspection for the reliable detection of dangerous foreign objects in a liquid or paste-like product mass based on the HEUFT SPECTRUM II.

### Careful examination even before packaging

Precise X-ray pipeline inspection of sauces, jams, cheese spreads, sausage meat and other unpackaged products.

### Reliable foreign object detection

Unique X-ray strobes and innovative image converter technology for the careful, speed-independent identification of the smallest high density objects made of glass, stone, metal or plastic. Clear distinction between critical faults and harmless product structures. Optional integration of an additional X-ray strobe for a 3D reconfirmation of the result of the examination from another perspective.

### Simply even more precision

Highly automated HEUFT SPECTRUM II platform with audiovisual HEUFT NaVi user guidance for considerably more precision when tracking products, detecting foreign objects and rejecting faults. Fully automatic product change without recalibration.

### Complete safety due to optimised design

New compact, easily accessible construction with the hygiene and maintenance optimised HEUFT CleanDesign. Now also with a vertical pipeline and drain valve for an even more reliable rejection of the contaminated partial quantity.



## HEUFT eXaminer II XAC

Full container inspection with pulsed X-ray technology based on the HEUFT SPECTRUM II.

### Prevention of product recalls and liability cases

A continuous complete examination of the total container volume including a double base and sidewall inspection for a reliable in-line identification of dangerous foreign objects such as metal fragments or glass splinters.

### Maximum detection reliability

Sharp, high-resolution X-ray images with minimum radiation.

### A hundred per cent examination of large size containers

Full coverage due to particularly large sensitive detection surface.

### Self-explanatory and simply easy

Error-free operation due to maximally automated HEUFT SPECTRUM II platform and self-explanatory audiovisual user guidance.





# VISIT US IN OUR CUSTOMER CENTER



## SHOWROOM

Experience the complete range of HEUFT solutions in action: our arena with almost 1,000 square metres of exhibition space provides you with the perfect conditions to convince yourself of the superior performance of our inspection and quality assurance systems – even with live tests using products from your own portfolio upon request.

[Visit@heuft.com](mailto:Visit@heuft.com)

+49 2636 56 0



## TRAINING

The right know-how for reliable operation: experienced experts will provide you with all the knowledge you need in order to safeguard the functionality and availability of your HEUFT system sustainably in the HEUFT Training Center – not only theoretically but also directly at the device!

[Training@heuft.com](mailto:Training@heuft.com)

+49 2636 56 2671



## SERVICE

The nerve centre for a proactive customer service: our service control centre coordinates all the services on your premises from online remote maintenance with the HEUFT *TeleService*, the HEUFT *PhoneService* up to HEUFT *DirectService* visits – for a worldwide 24/7 support.

[Technical.Desk@heuft.com](mailto:Technical.Desk@heuft.com)

+49 2636 56 278



## CONFERENCES

From seminar room to auditorium for 199 guests: we are pleased to make our premises containing state-of-the-art multimedia equipment available to customers and partners for meetings and events – including a tour of the premises, specialist lectures and practical presentations!

[Welcome@heuft.com](mailto>Welcome@heuft.com)

+49 2636 56 0



# HEUFT SYSTEMTECHNIK GMBH

Am Wind 1 · 56659 Burgbrohl · Germany · [heuft.com](http://heuft.com) · [info@heuft.com](mailto:info@heuft.com)