

Side View X-ray Inspection System

TALL PACKAGED PRODUCT INSPECTION



XR75
Side View

World-Class Detection

Anritsu's Side View applies the XR75's renowned detection to rigid and tall products.

Anritsu HD imaging technology is now available for upright products like cartons, foil-lined pouches, aseptic boxes, and PET bottles. HD imaging comes standard with all XR75 machines, providing outstanding detection of both high and low density contaminants as small as 0.5 mm*.

* Actual sensitivity depends on the physical properties of products (contents and shape) and on the conditions.

Go Beyond the Metal

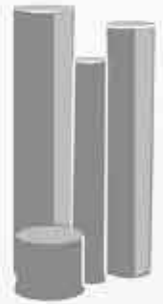
The XR75 provides accurate and repeatable detection of problematic foreign materials.



Intuitive, Time Saving Software



XR75 software helps operators work more efficiently, displaying reject images on the screen to easily identify contaminants.



COMPOSITE CANS



GABLE TOP BAGS



STANDUP POUCHES



CUPS



PET BOTTLES

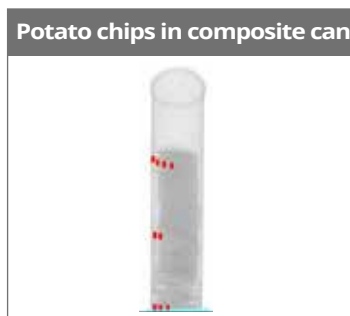


GABLE TOP CARTONS



ASEPTIC BOXES

Detection Examples



Over 15,000 X-Ray Installations

ANRITSU #1 X-Ray Inspection Supplier for Food & Pharma Worldwide

Anritsu x-ray machines have more installations worldwide than any other manufacturer. Our customers value Anritsu's 50+ years of industry leading performance and reliability, built on a foundation of precision engineering and passion for a safer world.

Easy to Own, Operate & Maintain

In addition to its unparalleled detection performance, the Side View delivers low cost of ownership and proven reliability.



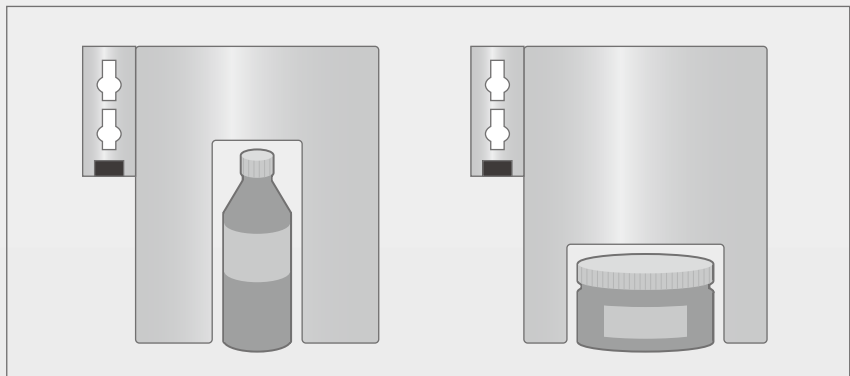
XR75

Features Your Production Team Will Appreciate

- The Side View is a **touchless (no curtains)** system, mounting over your line with no transfer points, minimizing jams and product handling issues.
- The **intuitive interface** is shared across Anritsu x-ray, checkweigher and metal detector platforms, resulting in less downtime, fewer errors, and reduced training. Configure products in minutes with the **Setup Wizard** and **Auto-Learn**.
- Anritsu **QUICCA QA software** offers real-time monitoring, traceability, reporting, and HACCP compliance. (optional)



Reject kits available: Air blast or high speed pusher (pictured)



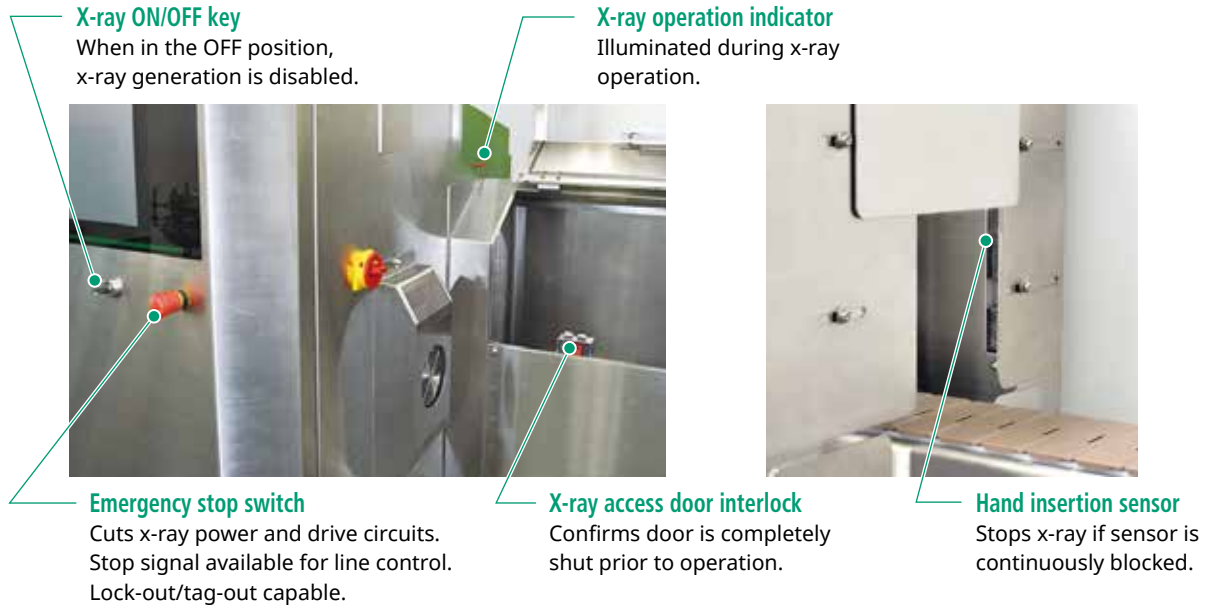
Removable end plates available to match multiple product sizes. (optional)

Safety by Design

XR75 Side View

Anritsu believes customer safety is of utmost importance.

Anritsu safety mechanism



Safety management

While Anritsu x-ray Inspection systems are designed to ensure safe operation, we recommend following the procedures below for the highest degree of safety.

- 1 Periodic measurement and recording of x-ray leakage data**
- 2 Management of operator working hours**
- 3 Additional safety measures**
Covers may need to be mounted on upstream and downstream conveyor, depending on the shape and package of products.
- 4 No disassembly or modification**
NEVER modify or disassemble the main unit, covers, safety covers, safety interlocks, etc., otherwise the x-ray leak-proof design may no longer be functional.

X-ray Radiation Safety

Safety of Inspected Products

According to the World Health Organization (WHO), "irradiation of any food commodity up to an overall average dose of 10 kGy presents no toxicological hazard and introduces no special nutritional or microbiological problems." *
The maximum dose of x-ray radiation to the products moving through Anritsu x-ray inspection systems is 2.0 mGy, which is 5 million times lower than the WHO threshold.

*Wholesomeness of Irradiated Food: Report of a Joint FAO/IAEA/WHO Expert Committee, 1980

Safety of Humans

The average U.S resident receives a total radiation dose of 6.2 mSv/year (620 mRem). About one third (2.4 mSv / 240 mRem) of that annual radiation derives from natural sources like the sun and soil. The rest comes from manmade sources like medical procedures (a typical chest x-ray generates about 0.1 mSv / 10mRem) or air travel (a round trip flight from New York to Tokyo is about 0.2 mSv / 20 mRem).

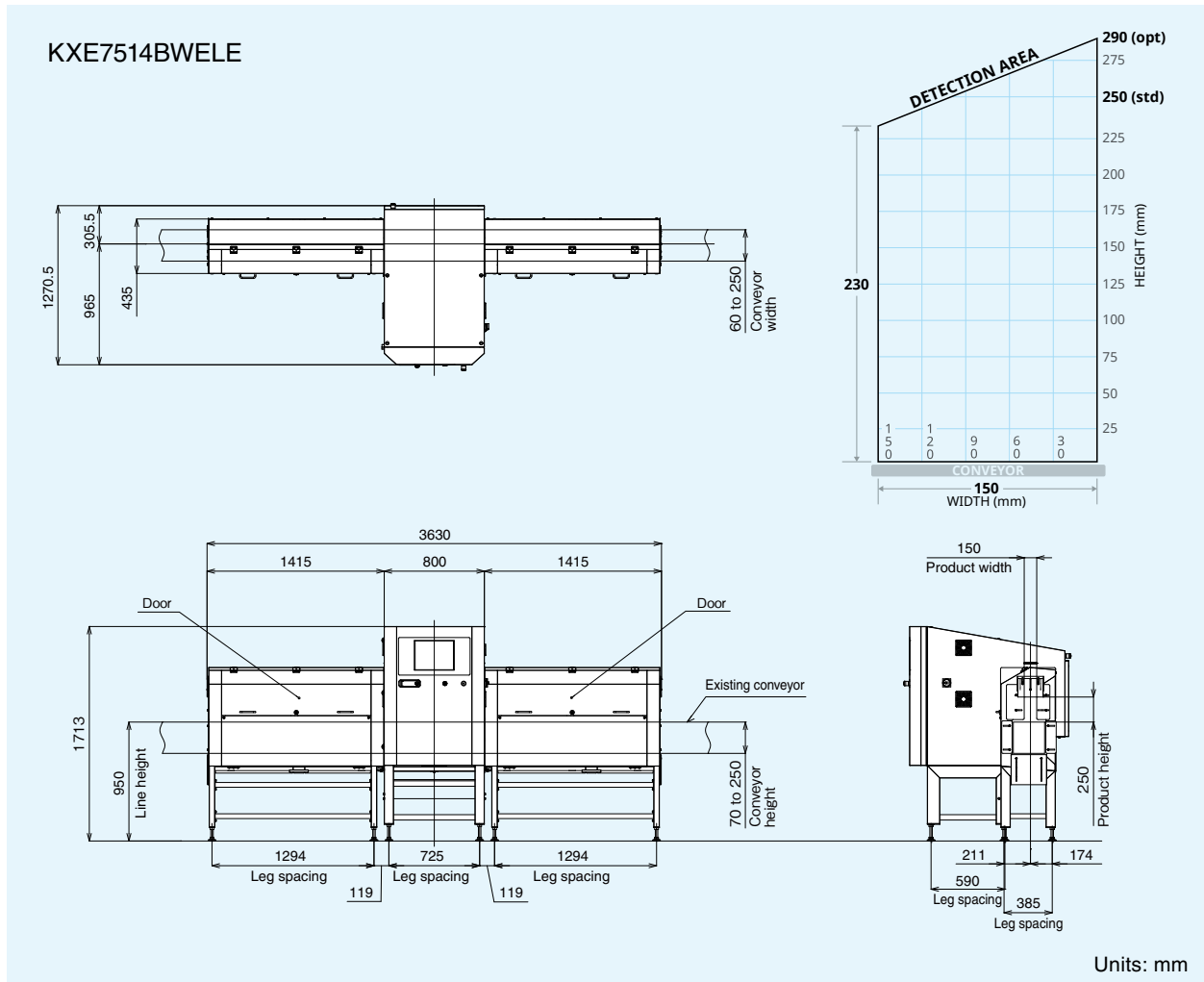
Throughout the world, most governments consider 20–50 mSv/year (2,000–5,000 mRem) to be safe for occupational workers. Anritsu cabinet x-rays are engineered to meet some of the strictest emission standards in the world. A typical Anritsu x-ray solution is designed for maximum dosage of 2.0 mSv/year (200 mRem) This is based on the improbable scenario of a worker continually being 2 inches (5.08 cm) from the x-ray machine 2,000 hours/year (40 hours/week × 50 weeks). For typical work environments, the actual radiation dose from the cabinet x-ray to the worker is negligible.

Note: Please follow the local laws and regulations regarding the installation and use of the x-ray inspection systems.

Major Specifications

XR75 Side View

External Dimensions



* The above external dimensions are for reference only. The side view x-ray system does not have the conveyor unit. The shape of leakage prevention covers will be changed according to the customer's existing production line.

Specifications



Model	KXE7514BWELE
X-ray output	Tube voltage 30 to 80 kV, tube current 0.4 to 5.0 mA, output 12 to 150 W
Safety	Maximum 1.0 μ Sv/h or less, prevention of X-ray leakage by safety device
Display	15-inch color TFT LCD
Operation method	Touch panel (with touch buzzer)
Detection area ¹	Maximum width: 150 mm, maximum height: 250 mm (290 mm is available as an option)
Preset memory	200
Corresponding belt speed ²	10 to 120 m/min
Power requirements ³	100 Vac to 240 Vac, single phase, 50/60 Hz, 700 VA or less
Mass ⁴	540 kg
Environmental conditions	Temperature: 0°C to 35°C, relative humidity: 30% to 85%, non-condensing
Protection class	Inspection area: IP66 / Other parts: IP40
Casing material	Stainless steel (SUS304)

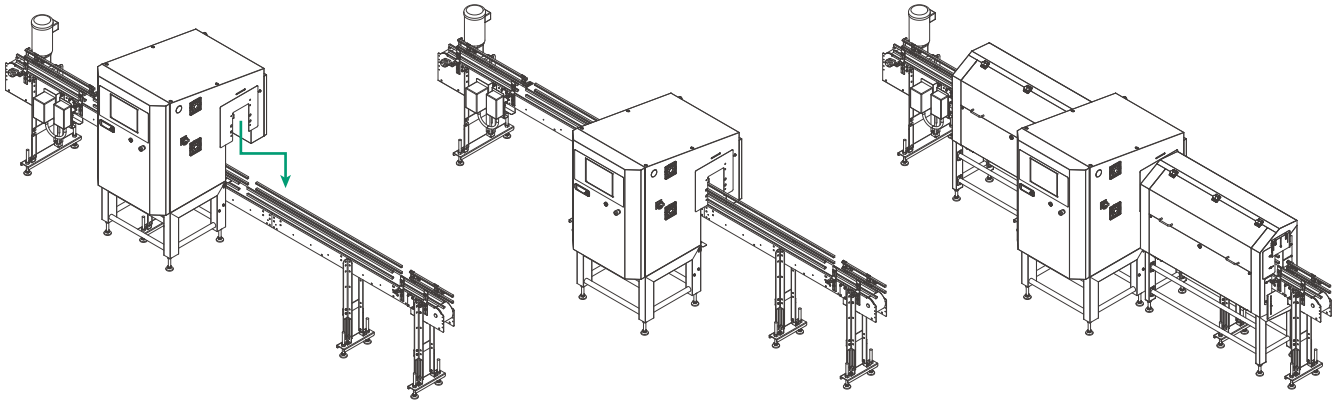
1: The product size should be within the detection area.

2: Since this model does not have the conveyor unit, it can be used with the existing conveyor at the above belt speed.

3: Allowable power fluctuation range is $\pm 10\%$.

4: Mass without option (when using the system with straight extension covers. See the above external dimensions).

Installation example



The Side View X-Ray system with leakage prevention covers mounts over the existing conveyor.

*Leakage prevention covers on right and left sides of the side view x-ray system will be customized according to the shape of the existing conveyor.

Anritsu

ANRITSU CORPORATION

5-1-1 Onna, Atsugi-shi, Kanagawa, 243-8555, JAPAN
TEL: +81-46-296-6699 FAX: +81-46-296-6786
<https://www.anritsu.com/infivis>

Anritsu Industrial Solutions (Shanghai) Co., Ltd.
Room 703-704, Sandhill Central, No.505 Zhangjiang Road, Pudong New Area, Shanghai 201210, P.R. China
TEL: +86-21-5046-3066

ANRITSU INFIVIS (THAILAND) CO., LTD.
700/678-679 Moo1, Amata City Chonburi Industrial Estate, Tambol Panthong, Amphur Panthong, Chonburi 20160 Thailand
TEL: +66 38-447180 FAX: +66 38-447182

ANRITSU INFIVIS B.V.
Grubbenvorsterweg 10 5928NX, Venlo, the Netherlands
TEL: +31(0)20-2254220

ANRITSU INFIVIS LTD.
Unit 3, Scott Road, Luton, LU3 3BF, United Kingdom
TEL: +44(0)845 539 9729

ANRITSU INFIVIS INC.
701 Innovation Drive, Elk Grove Village, IL 60007, U.S.A.
TEL: +1-847-419-9729 FAX: +1-847-537-8266

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- Some products shown in this catalog may not be available in your country or region. Contact our sales representatives for details.
- To ensure proper operation, read the Operation Manual before using the machine.
- In addition to daily inspection, a full maintenance inspection should be completed annually.

Specifications are subject to change without notice.
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