



Product Brochure  
January 2018

**Anritsu**

# X-ray Inspection System

Discover What You've Been Missing...  
**DETECTION PERFECTION**



**XR75**  
**A.L.L.**  
ADVANCED LONG LIFE TECHNOLOGY



## Easy to operate



### ✔ Simple step-by-step product setup

Product Registration Navigation simplifies parameter setting procedures with step-by-step illustrated instructions.



### ✔ Simple maintenance

**[Easy parts removal]** No tools are required for removing/attaching the conveyor belts and rollers including the front cover and x-ray leakage prevention curtains.

**[Easy-to-clean design]** The system's angled surfaces prevent water from accumulating after system cleaning.



Tool free belt removal

Sloped surfaces for water run-off.

### ✔ Simple information management

X-ray images and inspection logs can be saved to the USB memory for HACCP compliance. All Anritsu systems can be connected, via Ethernet, to QuiCCA. QuiCCA provides line status information, centralized reporting and data storage.



USB interface (USB memory is optional)

Overall quality management and control system - QUICCA

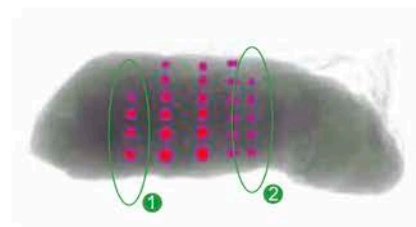


## XR75 delivers industry leading detection for all products.

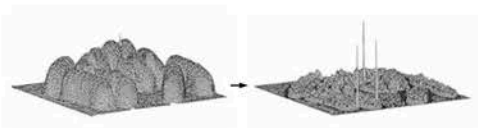
### ✓ HD imaging provides the best-in-industry detection.

XR75 provides accurate and repeatable detection of metals, wire, glass, stone, calcified bones and other dense contaminants. ALL technology was developed to provide high detection sensitivity and flexibility within all products and packaging types.

**Point**  
**[Easy to adjust sensitivity]**  
 Detection levels are visually shown on the main screen to enhance usability. Quick sensitivity adjustments are possible (based on operator level).



X-ray image of test pieces in 500g tenderloin. Accurate detection of small Nylon ① and SUS ② spheres is now possible.



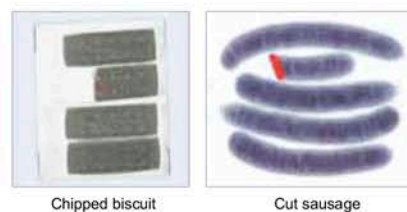
Signal processing advancements allow detection of smaller contaminants.

### ✓ Go Beyond Contaminant Detection

XR75 provides not only contaminant detection but also product verification simultaneously. Products can be inspected for missing product, virtual weight, count, package check, void check, etc.

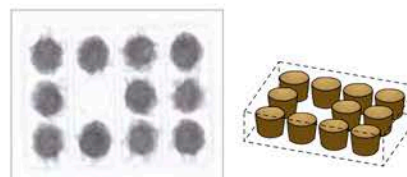
**[Shape Detection]** The shape, area and mass are analyzed from x-ray images to find irregularities including breaks and chips. Missing fillings can also be spotted.

**[Missing Product Detection]** Inspection for missing products are available for those products in which the content is indicated by the number, and the mass of each piece in a package varies per piece.



Chipped biscuit

Cut sausage



[Example of a package containing 12 cupcakes with 20 ±2 g each]  
 The weight of 11 pieces with 22 g each totals 242 g, which satisfies weight requirement but the count is short.



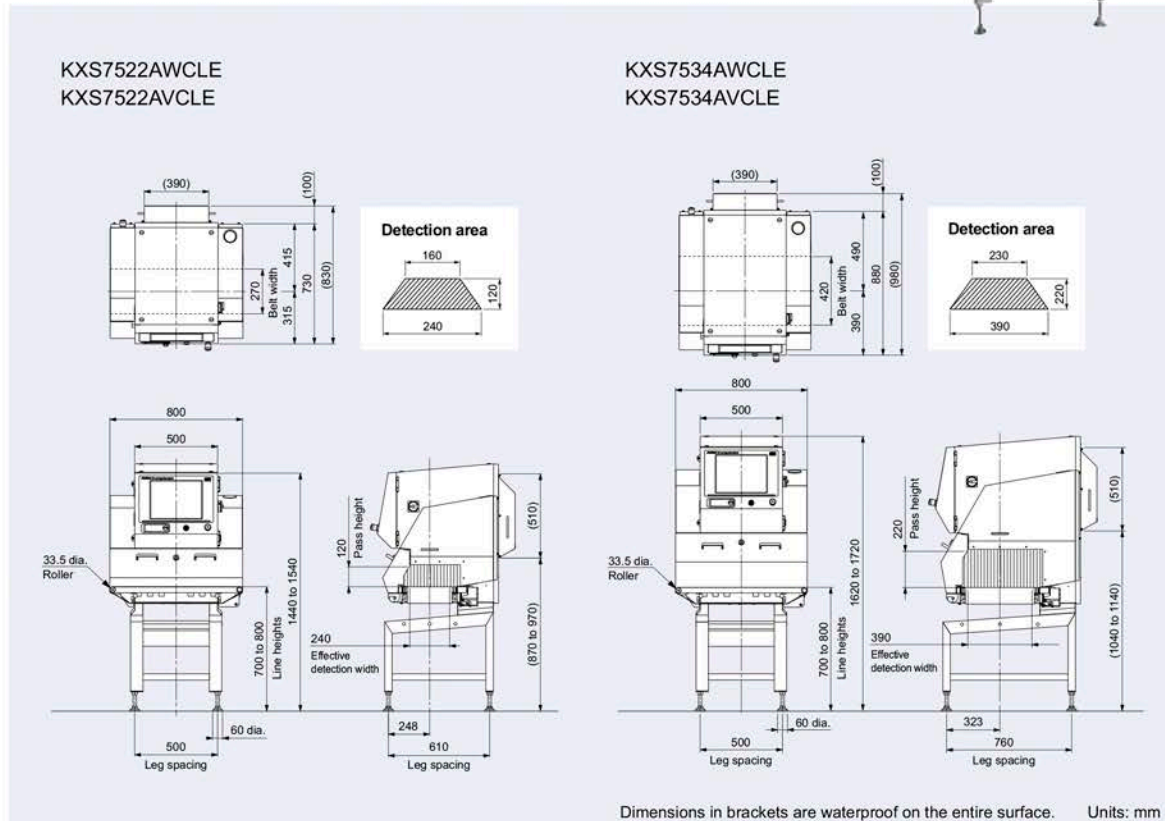
## Major specifications

**XR75**

## For Packaged Products



## External Dimensions



## Specifications



| Model  | KXS7522AWCLE   | KXS7522AVCLE                    | KXS7534AWCLE                                | KXS7534AVCLE                    |
|--|--|---------------------------------|---|---------------------------------|
| X-ray output   | Tube voltage 30 to 80 kV, tube current 0.4 to 3.3 mA, output 12 to 100 W               |                                 |   |                                 |
| Safety   | X-ray leakage maximum 1.0 μSv/h or less, prevention of x-ray leakage by safety devices |                                 |   |                                 |
| Display  | 15-inch color TFT LCD  |                                 |   |                                 |
| Operation method   | Touch panel (with touch buzzer)  |                                 |   |                                 |
| Detection area <sup>1,2</sup>                                    | Maximum width 240 mm, maximum height 120 mm  |                                 | Maximum width 390 mm, maximum height 220 mm |                                 |
| Belt width   | 270 mm   |                                 | 420 mm                                      |                                 |
| Preset memory  | 200  |                                 |   |                                 |
| Belt speed <sup>3</sup> /<br>Maximum product weight <sup>4</sup> | 10 to 60 m/min, maximum 5 kg<br>60 to 90 m/min, maximum 2 kg                           |                                 | 10 to 60 m/min, maximum 5 kg<br>—           |                                 |
|  | 10 to 40 m/min, maximum 10 kg (optional)   |                                 | 10 to 40 m/min, maximum 10 kg (optional)    |                                 |
| Power requirements <sup>5</sup>                                  | 100 Vac to 240 Vac, single phase, 50/60 Hz, 700 VA or less (standard)                  |                                 |   |                                 |
| Mass <sup>6</sup>  | 245 kg   | 250 kg                          | 305 kg                                      | 310 kg                          |
| Environmental conditions <sup>7,8</sup>                          | Temperature: 0°C to 35°C, Relative humidity: 30% to 85%, non-condensing                |                                 |   |                                 |
| Protection class   | Conveyor: IP66<br>Other parts: IP40  | Entire surface conforms to IP66 | Conveyor: IP66<br>Other parts: IP40         | Entire surface conforms to IP66 |
| Exterior   | Stainless steel (SUS304)   |                                 |   |                                 |

1 : The product size should fall below the detection area.

2 : The entrance and exit may require covers depending on the length of a product.

3 : Variable depending on Product No.

4 : Sum total of product weight on the conveyor.

5 : Allowable power fluctuation range is ±10%.

6 : Mass without option

7 : For KXS7522AWCLE and KXS7522AVCLE, belt speed and maximum product weight are restricted at the temperature between 30°C and 35°C.

8 : The temperature between 0°C and 40°C when an optional air conditioner is installed. (AWCLE only)