

20+ overseas agents exported to 70+ countries and regions



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FOOD X-RAY SYSTEM
INTELLIGENT DETECTION EXPERT





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“ Be a Foremost Corporation in X-Ray Technology
Be a Globally Respectful Corporation in The Branding Creation

Wuxi Unicom Technology

- Food & Beverage Foreign Material X-ray Inspection System
- SMT, EMS X-ray
- X-ray Inspection System
- Microfocus X-ray source
- Semiconductor X-ray Inspection System
- 3D CT AXI Inspection System

Chongqing Unicom Technology

- Die Casting Parts NDT X-ray
- Wheel Hub & Tires NDT X-ray
- Welded Pipe NDT X-ray
- Cylinder & Pressure Vessel NDT X-ray

Shenzhen Unicom Technology

- EV Lithium Battery X-ray Inspection System
- Consumer Electronics Li-Ion Cell X-ray Inspection System



Company History

- 2024 Unicom Advanced Inspection Application Technology Research Institute was established, establishment of Singapore subsidiary, started operations at the Malaysia plant
- 2023 Successful IPO, and listed on the SSE STAR Market
- 2022 Chongqing Unicom NDT X-ray factory relocates to a new Hi-Tech Industry Park with 10,000 sqm Facility
Application of new generation of X-ray image processing software based on AI algorithms
- 2020 Food X-Ray Series Product launched
- 2018 Wuxi headquarters 40,000 sqm Industrial Park completed and put into operation
- 2016 Vehicle Screening system, Baggage X-ray Scanning, Police Check Point launched into market of postal, logistics, transportation, etc
- 2014 R&D and production of X-ray intensifier; X-ray detection machines for Food/Bag/Footwear foreign material hit the market
- 2013 X-Ray Inspection equipment for auto aluminum & iron castings, wheel hub, wheel tire, steel pipe & cylinder launched into the market
- 2011 Establishment of industrial NDT X-Ray R&D and Production center in Chongqing
- 2010 R&D for advanced X-Ray Tube
- 2009 Wuxi Unicom Technology was established, market a series of X-Ray inspection equipment
- 2007 R&D and production of X-Ray inspection Equipment
- 2006 Stencil cleaner & SPI launched into EMS Industry
- 2004 Exporting of electronics equipment
- 2002 Shenzhen Unicom Technology was established



Wuxi



Chongqing



Shenzhen



Food X-Ray Series



UNX 4015-N
Bagged food X-ray foreign material detection equipment



UNX 6010-B
Bulk material X-Ray foreign material detection equipment



UNX 1830-D
Bottled food X-Ray foreign material detection equipment



UNX 4015-N

Bagged food X-ray foreign material detection equipment

X-Ray Images



Specifications

Dimension	1140(W)X1160(D)X1975(H)mm	Detection Accuracy
Power Supply	AC 110/220V, 50/60Hz	SUS BALL ≥ Ø0.3mm
Machine Weight	450kg	SUS wire ≥ Ø0.2*2mm
X-Ray Voltage	80kV/210-350W	Glass ball ≥ Ø1.0mm
Detector	0.1mm/0.2mm/0.4mm	Ceramic ball ≥ Ø1.0mm
Channel Size	400mm(W)*150mm(H)	
Conveyor Speed	10-70m/min	
Max. Loading Weight	10kg	
Operating Temperature	5°C - 40°C , RH < 80%	
Port	1*Lan, 2*USB	
Reject Solutions	air jet, swiping arm, pushing rod, retracting belt, flipper., etc.	
Human Machine Interface	15.6" touchscreen, Windows 10 operating system	

Other

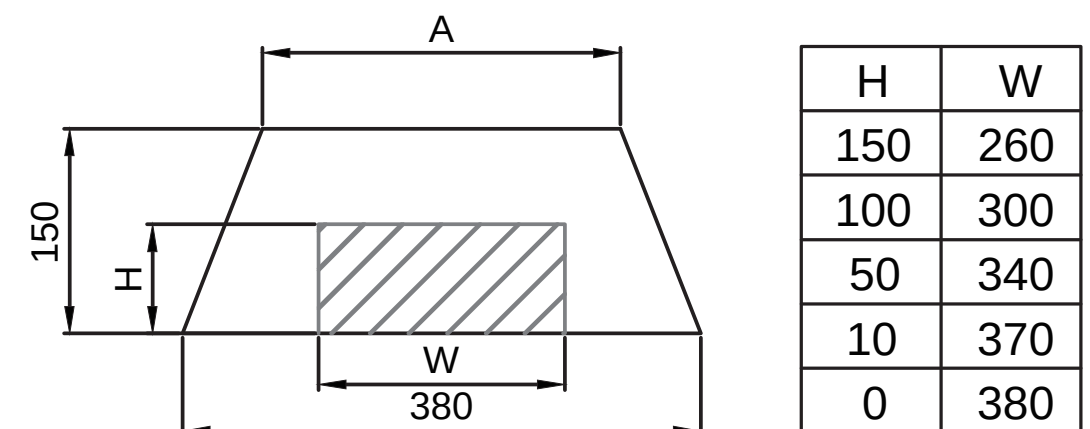
IP rating	Conveyor: IP66, Others: IP65
X-Ray Emissions	<1µSv/h

* Specifications are subject to change without notice, all trademarks are the property of the system maker.

Features

- Easy to Operate: one button start&stop, optional default product
- Provide high precision automatic foreign material detection, It can effectively detect metal, ceramic, glass, bone, shell and other foreign materials in the product
- Monitoring, controlling, and improving procedures and outputs in manufacturing with SPC report
- With deep learning of AI, the detection sensitivity reaches the industry's highest Intelligent algorithm standard

Inspection Area

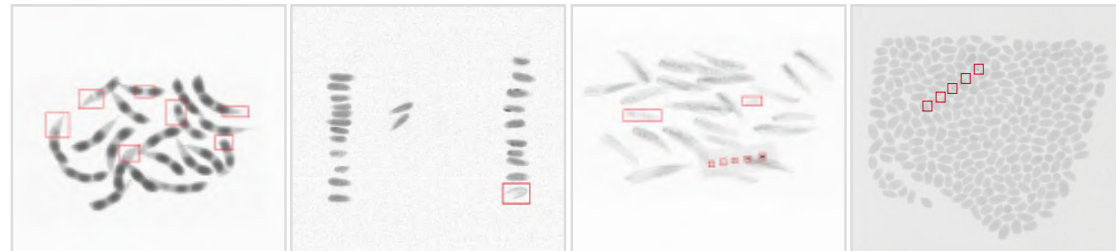




UNX 4010-B

Bulk material X-Ray foreign material detection equipment

X-Ray Images



Specifications

Dimension	2530(W)X1085(D)X2075(H)mm	Detection Accuracy
Power Supply	AC220V, 50Hz	SUS BALL ≥ ø0.3mm
Machine Weight	600kg	SUS wire ≥ ø0.2*2mm
X-ray Tube Voltage	80kV/350W	Glass ball ≥ ø1.0mm
Channel Size	400mm(W)*100mm(H)	Ceramic ball ≥ ø1.0mm
Conveyor Speed	10-120m/min	
Detector	0.4mm/TDI	
Max. Loading Weight	10kg	
Operating Temperature	5°C - 40°C , RH < 80%	
Human Machine Interface	17.3" touchscreen, Windows 10 operating system	
Port	1*Lan, 2*USB	
Reject Solutions	Multiple units of air gun	

Other

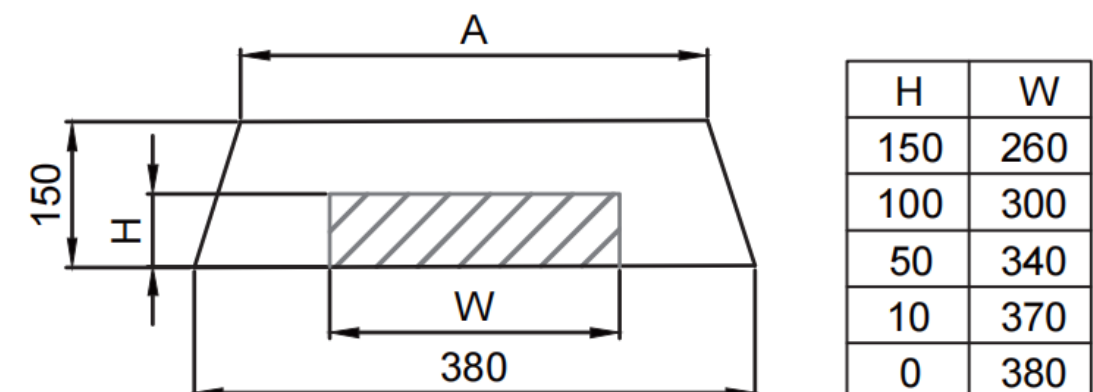
IP rating	Conveyer: IP66, Others: IP65
X-Ray Emissions	<1μSv/h

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Features

- Easy to Operate: one button start&stop, optional default product
- Provide high precision automatic foreign material detection, It can effectively detect metal, ceramic, glass, bone, shell and other foreign materials in the product
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Inspection Area





UNX 6010-B

Bulk material X-Ray foreign material detection equipment

X-Ray Images



Specifications

Dimension	2495(L)*1285(W)*2075(H)mm	Detection Accuracy
Power Supply	AC 110/220V, 50/60Hz	SUS BALL ≥ Ø0.3mm
Machine Weight	700kg	SUS wire ≥ Ø0.2*2mm
X-ray Tube Voltage	80kV/350W	Glass ball ≥ Ø1.0mm
Detector	0.4mm/TDI	Ceramic ball ≥ Ø1.0mm
Channel Size	600mm(W)*100mm(H)	
Conveyor Speed	10-120M/min	
Max. Loading Weight	10kg	
Operating Temperature	5°C - 40 °C, RH < 80%	
Human Machine Interface	17.3" touchscreen, Windows 10 operating system	
Reject Solutions	multiple units of air gun	
Port	1*Lan, 2*USB	

Other

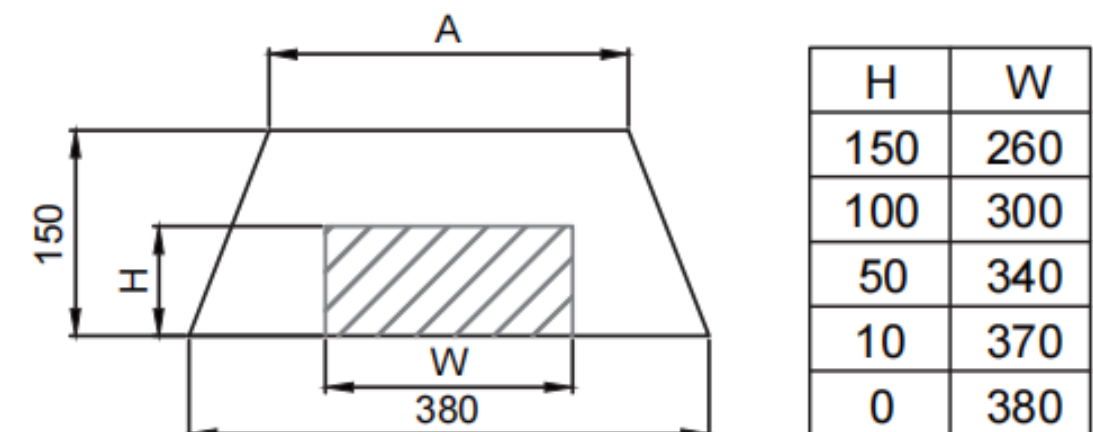
IP rating	Conveyer: IP66, Others: IP65
X-ray Emissions	<1µSv/h

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Features

- Easy to Operate: one button start&stop, optional default product
- Provide high precision automatic foreign material detection, It can effectively detect metal, ceramic, glass, bone, shell and other foreign materials in the product
- Monitoring, controlling, and improving procedures and outputs in manufacturing with SPC report
- With deep learning of AI, the detection sensitivity reaches the industry's highest Intelligent algorithm standard

Inspection Area





UNX 1830-D

Bottled food X-Ray foreign material detection equipment

X-Ray Images



Specifications

Dimension	3645 (L)*1425(W)*2165(H)mm	Detection Accuracy
Power Supply	AC 110/220V, 50/60Hz	SUS BALL ≥ Ø0.3mm
Machine Weight	1200 kg	SUS wire ≥ Ø0.2*2mm
X-Ray Tube Voltage	120kV / 480W	Glass ball ≥ Ø1.0mm
Detector	0.2mm	Ceramic ball ≥ Ø1.0mm
Tunnel Size	180mm(W)*300mm(H)	
Conveyor Speed	10-90M/min	
Max. Loading Weight	10 kg	
Human Machine Interface	17.3" touchscreen, Windows 10 operating system	
Port	1*Lan, 2*USB	
Reject Solutions	pushing rod	

Other

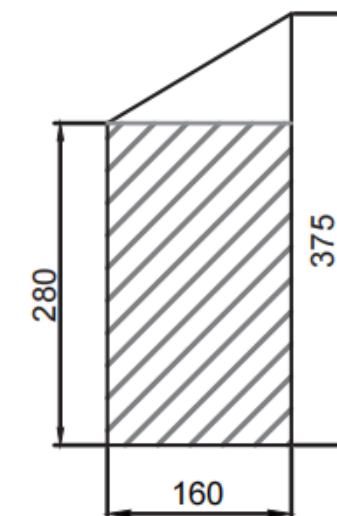
IP rating	Conveyer: IP66, Others: IP65
X-ray Emissions	<1µSv/h

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Features

- Easy to Operate: one button start&stop, optional default product
- Multiple beam X-ray systems, 360° no dead angle detection
- Liquid level measurement
- Monitoring, controlling, and improving procedures and outputs in manufacturing with SPC report
- With deep learning of AI, the detection sensitivity reaches the industry's highest Intelligent algorithm standard

Inspection Area

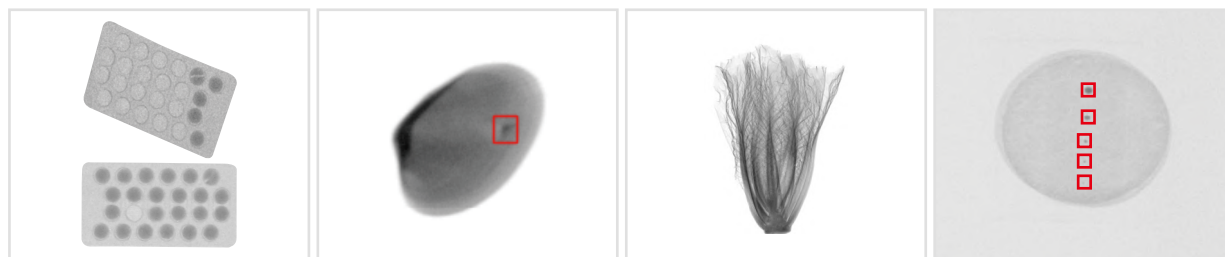




UNX 3015-S

Bagged food X-ray foreign material detection equipment

X-Ray Images



Specifications

Dimension	960(W)X870(D)X1900(H)mm	Detection Accuracy
Power Supply	AC 110/220V, 50/60Hz	SUS BALL ≥ Ø0.3mm
Machine Weight	350kg	SUS wire ≥ Ø0.2*2mm
X-Ray Voltage	80kV/210W	Glass ball ≥ Ø1.0mm
Detector	0.2mm/0.4mm/TDI	Ceramic ball ≥ Ø1.0mm
Channel Size	300mm(W)*150mm(H)	
Conveyor Speed	10-70m/min, 10 - 40 m/min (heavy load)	
Max. Loading Weight	5kg	
Operating Temperature	-10 °C - 40 °C, 30% -90% RH, non-condensing	
Human Machine Interface	15.6" touchscreen, Windows 10 operating system	
Reject Solutions	conveyer stop, air jet, swiping arm, pushing rod, retracting belt, flipper., etc.	
Human Machine Interface	15.6" touchscreen, Windows 10 operating system	
Port	1*Lan, 2*USB	

Other

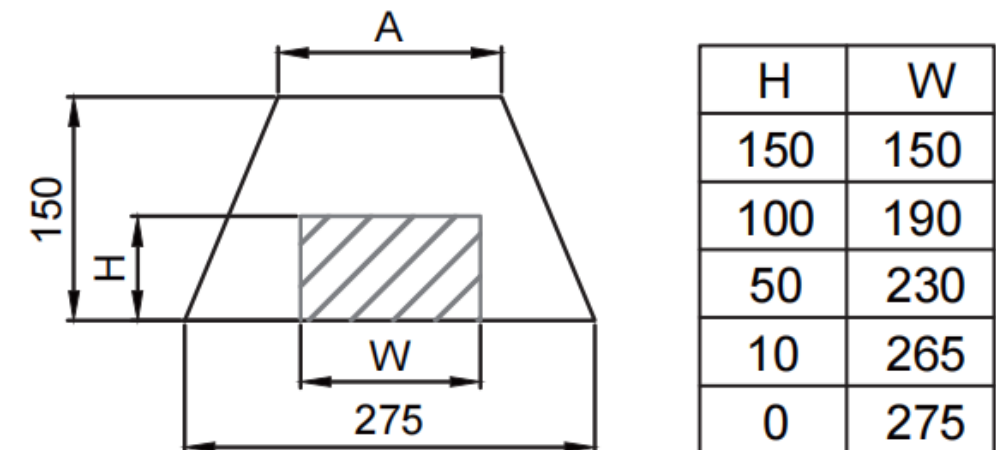
IP rating	Conveyer: IP66, Others:IP65
X-Ray Emissions	<1μSv/h

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Features

- Easy to Operate: one button start&stop, optional default product
- Provide high precision automatic foreign material detection, It can effectively detect metal, ceramic, glass, bone, shell and other foreign materials in the product
- Monitoring, controlling, and improving procedures and outputs in manufacturing with SPC report
- With deep learning of AI, the detection sensitivity reaches the industry's highest Intelligent algorithm standard

Inspection Area





UNX 6030-N

Bagged food X-ray foreign material detection equipment

X-Ray Images



Specifications

Dimension	2005(W)X1280(D)X2195(H)mm	Detection Accuracy
Power Supply	AC 110/220V, 50/60Hz	SUS BALL ≥ Ø0.3mm
Machine Weight	700kg	SUS wire ≥ Ø0.2*2mm
X-Ray Voltage	100-120KV / 350-480W	Glass ball ≥ Ø1.0mm
Detector	0.4mm	Ceramic ball ≥ Ø1.0mm
Tunnel Size	600mm(W)*300mm(H)	
Conveyor Speed	10-60m/min, 10 - 40 m/min (heavy load)	
Max. Loading Weight	25kg	
Operating Temperature	5°C - 40 °C, RH < 80%	
Human Machine Interface	17.3" touchscreen, Windows 10 operating system	
Reject Solutions	pushing rod, retracting belt, flipper., etc.	
Port	1*Lan, 2*USB	

Other

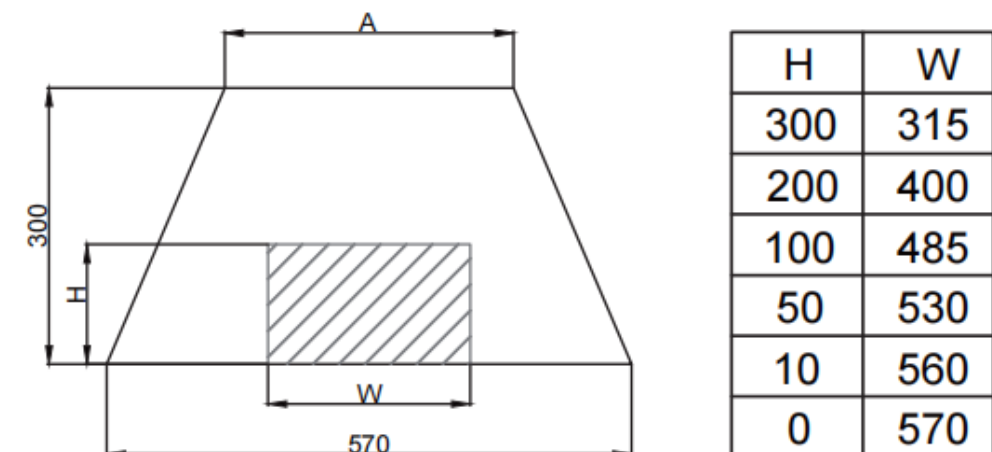
IP rating	Conveyer: IP66,Others:IP65
X-Ray Emissions	<1µSv/h

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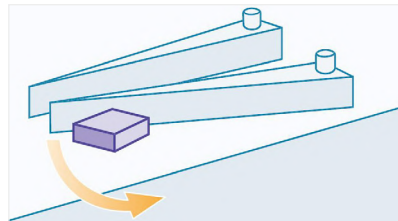
Features

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Inspection Area

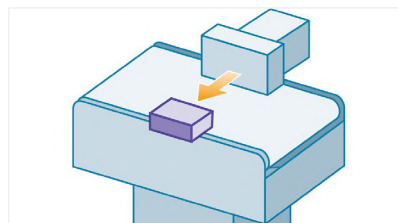


Reject Solutions



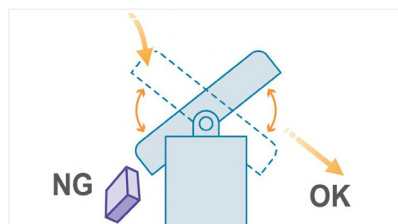
Rejecting products with foreign material by one or more swinging arms

Application: Bagged/Cup Noodles, bag tray frozen dumplings, Self-heating Hot Pot, etc



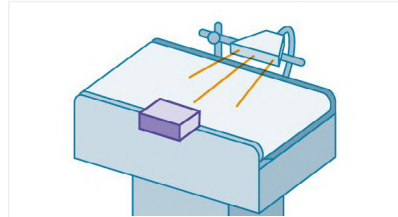
Rejecting products with foreign material by pushing rod

Application: Chocolate Bars, dried fish in a box, ham sausage, etc



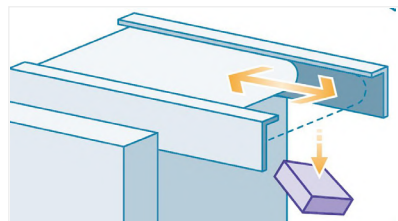
Rejecting products with foreign material by moving the flip plate

Application: Candy, frozen asparagus, bags of dried beans, chicken, bulk nuts, seasoning, etc



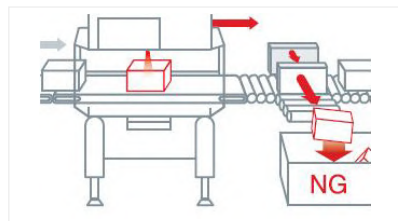
Rejecting products with foreign material by air jet

Application: Chocolate bar, bagged biscuits, ham sausage, breakfast bread, etc



Rejecting products with foreign material by retracting the conveyor

Application: fat meat, big steak, baked biscuits, bread, etc



Rejecting products with foreign material by Push rod, with powered roller conveyor

Application: 10Kg/25Kg bags of rice, flour, sugar, etc

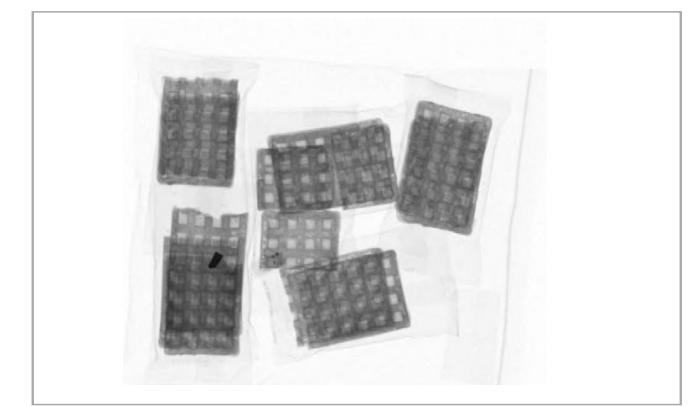
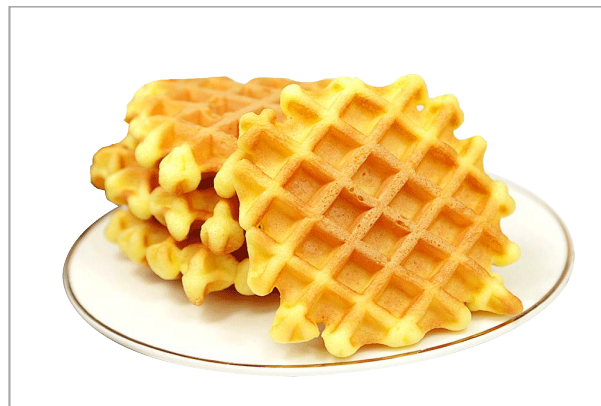
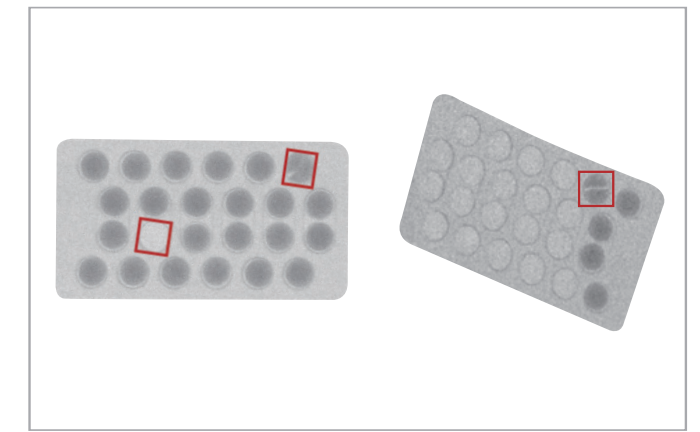
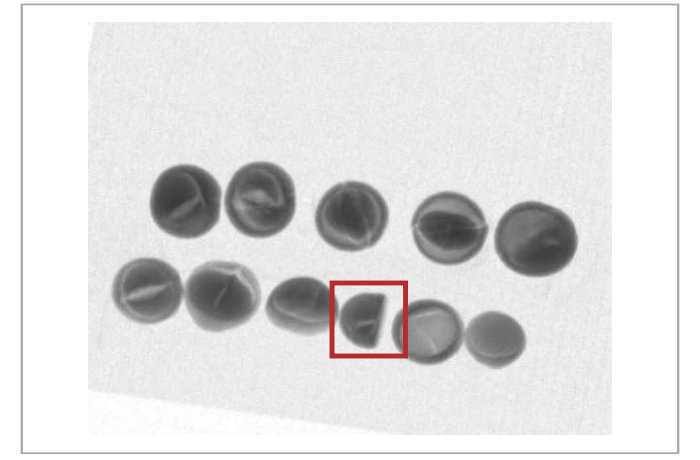
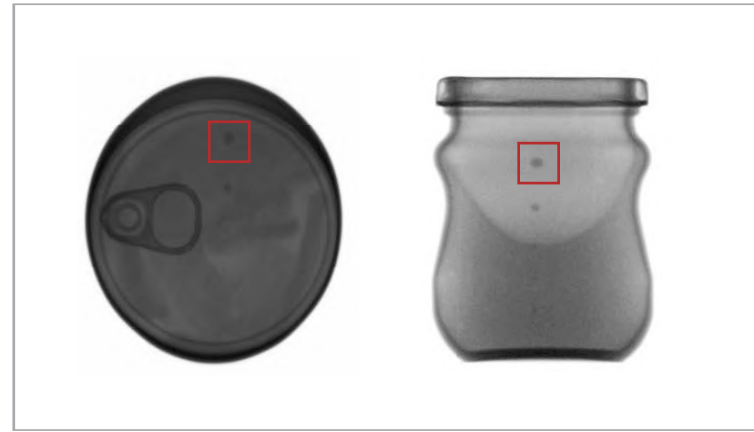
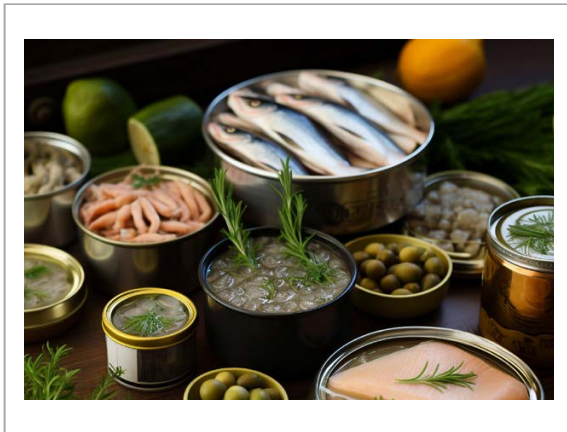
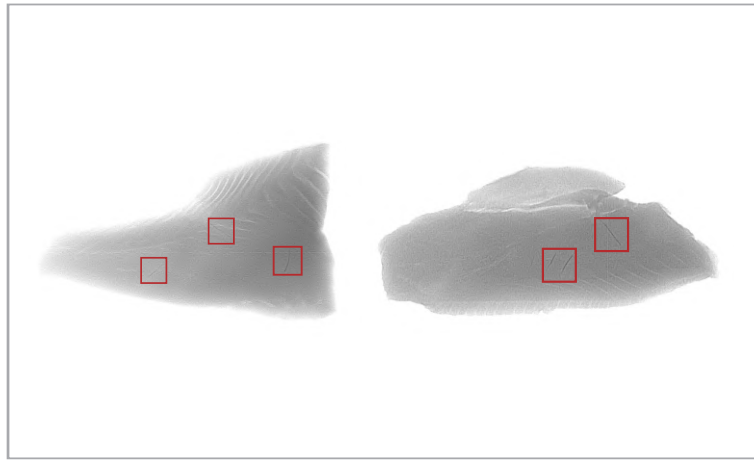
STRENGTH

Devoted to Providing High-end X-ray Intelligent Inspection Equipment and Solutions

- 20 Years focused on X-ray R & D and Manufacturing
- A National Hi-Tech Enterprise with International Vision
- 4 Modern R&D and Manufacturing Factories with 70,000m²
- 562 Patents and 41 software copyright
- UK BSI certified with ISO9001, ISO14001, ISO45001
- Products complied with CE, FDA and Radiation Permit
- Over 3500 Installations in 70 Countries and Regions



Industries We Serve





Quality Management System Certification



Environmental Management System Certification



Safety Management System Certification



Radiation Safety License



US FDA certification



EU CE certification



Invention patent



Invention patent



Invention patent

