

X-ray Inspection System

X-ray Inspection System TXR Series

High Performance and Stability TXR Series X-ray Inspection System

A full range of contaminants inspection including metallic, non-metallic contaminants(Glass, Ceramic, Stone, Bone, Hard Rubber, Hard Plastic , etc.). It can inspect metallic, non-metallic packaging and canned goods, and the inspection effect will not be affected by temperature, humidity, salt content and etc.

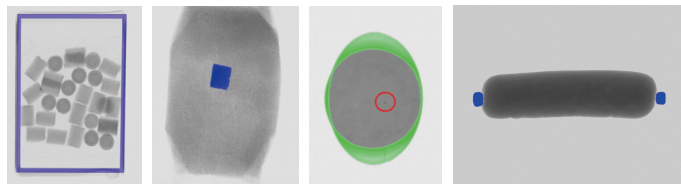
The X-ray inspection system is suitable for the inspection of metallic and non-metallic contaminants, defects etc in Food, Chemical, Pharmaceutical Industries.

Excellent Product Applicability

- Up to eight grade image processing technology to achieve the best product adaptability and stability.

Perfect Software Feature

- Shielding function

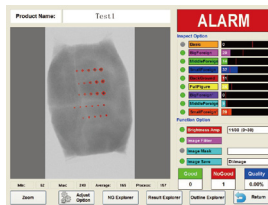
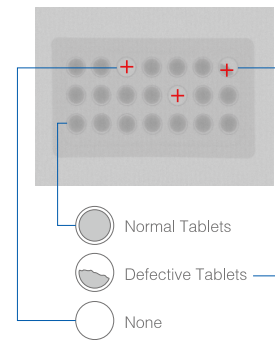


• Boundary Shield • Desiccant Shield • Cans Shield • Sausage Aluminum Buckle Shield

High-specification Hardware Configuration

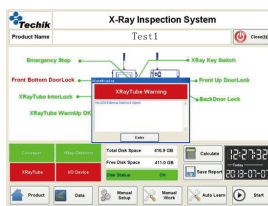
- Spare parts are well-known imported brands to ensure the performance and service life of the machine.

Defects Inspection Function



Excellent Operability

- 15-inch touch screen display, easy to operate.
- Auto-setting function.
- Automatically save the product images, which is convenient for user's analysis and tracking.



Comprehensive and Reliable Security

- X-ray leakage meets FDA and CE standards
- Perfect safe operation monitoring to prevent the leakage from mis-operation.



Simple to Disassemble, Easy to Clean and Reliable Security

1. X-ray on/off key
2. Leakage prevention curtain
3. X-ray shield cover



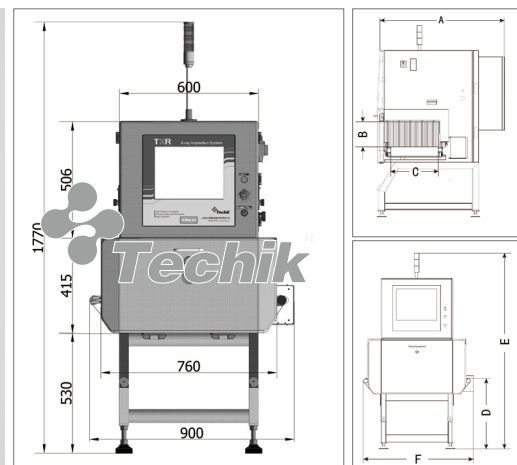
Good Environment Adaptability

- Equipped with industrial air condition.
- Completely sealed structure to avoid dust
- Environmental humidity can reach 90%
- Environmental temperature can reach -10°C~40°C

X-ray Inspection System

A full-range inspection of contaminants including metal, non-metals(Glass,Ceramic,Stone,Bone,Hard Rubber, Hard Plastic,etc.) It can inspect the metallic packing products such as the aluminum foil packing and canned product. It also will not be affected by the changes of temperature humidity, and the influence of the salt content.

Model	A	B	C	D	E	F
2480	875	110	240	650 ± 50	1690 ± 50	870
4080	1065	160	400	650 ± 50	1750 ± 50	950
4080L	1065	100	400	650 ± 50	16900 ± 50	950
4080S	1065	160	400	650 ± 50	1750 ± 50	950
4080SL	1065	100	400	650 ± 50	1690 ± 50	950
4080SH	1065	220	400	650 ± 50	1810 ± 50	950
5080SH	1200	250	500	650 ± 50	2230 ± 50	1300
6080SH	1300	300	600	650 ± 50	2280 ± 50	1400



TXR-2480

Model	TXR Series							
Specifications	2480	4080	4080S	4080SL	4080SH	5080S	5080SH	6080SH
X-ray Tube	MAX. 80kV, 150W	MAX.80kV,210W	MAX. 80kV,350W					
Inspection Width	240mm	400mm				500mm		600mm
Inspection Height	110mm	160mm		100mm	220mm	160mm	250mm	300mm
Best Inspection Ability	SUS Ball Φ 0.3mm, SUS Wire Φ 0.2*2mm				SUS Ball Φ 0.4mm, SUS Wire Φ 0.2*2mm			
Conveyor Speed	10-70m/min				10-40m/min			
Display Screen	Full-color TFT 15" Touch Screen							
O/S	Window XP Professional							
Connectivity	LAN Port, USB Port							
Product Management	Complete Product Log							
Parameter Adjustment	Auto Setting/Manual Learning							
Image Management	Image Save/Print/Analysis							
Power Supply	AC220V (Optional)							
Main Material	SUS304							
Purification	Easy to Wash							
Temperature Adjustment	Industrial Air Condition							
X-ray Leakage	< 1 microsievert per hour							
Protection Mode	Removable Protective Curtain							

Note:

The technical parameter above namely is the result of sensitivity by inspecting only the test sample on the belt. The sensitivity would be affected according to the products being inspected.

X-ray Inspection System for Product in Bulk

A full range of contaminants inspection for the product in bulk before packing. Suitable for the contaminants inspection in production line for Peanuts, Grain, Cereals, Rubber Granules, Capsules, Tablets, etc.

X-ray Inspection System TXR-P Series

- Multi-channel rejecter design to reduce product waste effectively. When the products pass through the X-ray inspection system, only the channel mixed with the contaminants will be rejected.



Model	TXR-4080P
X-ray Tube	MAX. 80kV, 210W
Inspection Width	400mm
Inspection Height	50mm
Best Inspection Sensitivity	SUS Ball Φ 0.3mm, SUS Wire Φ 0.2*2mm
Conveyor Speed	10–70m/min
Temperature Adjustment	Industrial Air Condition
Protection Mode	Removable Protective Curtain
Rejecter	Four-channel / Single Channel Flap Rejecter/32Tunnel Air Jet Rejector

Note:

The technical parameter above namely is the result of sensitivity by inspecting only the test sample on the belt. The sensitivity would be affected according to the products being inspected.

Low-energy Consumption X-ray Inspection System

Aiming at inspecting of low-density and homogeneous products, suitable for equality distributed package products.

X-ray Inspection System TXR-C Series

- Inheriting the characteristics of existing TXR series models.
- Equipped with low power X-ray lamp for products needless of using high-power X-ray source, to meet the inspecting requirements and save the cost.

Model	TXR-2480C	TXR-4080C
X-ray Tube	MAX. 80Kv, 80W	
Maximum Inspection Width	240mm	400mm
Maximum Inspection Height	110mm	160mm
Best Inspection Ability	SUS Ball Φ 0.5mm、SUS Wire Φ 0.3*2mm	
Conveyor Speed	10–70m/min	
Operating Environment	Temperature: $-10\sim 40^{\circ}\text{C}$ Cooling Method: Industrial Air Conditioning Humidity: 30–90%, Frosting-free Humidity Control: Dehumidifier	
X-ray Leakage	< 1 Microsievert per hour	
Protection Method	Removable Protective Curtain	
Alarm	Sound and light alarm; Rejector is optional	
Power Supply	AC220V, 15Kva Max, 50/60Hz	
Levels of Protection	IP66	
Main Material	SUS304	



X-ray Inspection System for Residual Bone Fragments

Suitable for in-line inspection of the residual bone fragments in meat processing, For instance, it is suitable for inspecting the residual Collarbones, Fan ribs, Shoulder Blades etc in chicken.



X-ray Inspection System TXR-BDE Series

- Compared with traditional single-energy inspection, TXR-BDE series applies to dual-energy X-ray inspection technology, achieving higher sensitivity and inspection rate.
- TXR-BDE series can identify foreign bodies such as rubber, bone with near density.
- Without the effect caused by irregular and overlap.

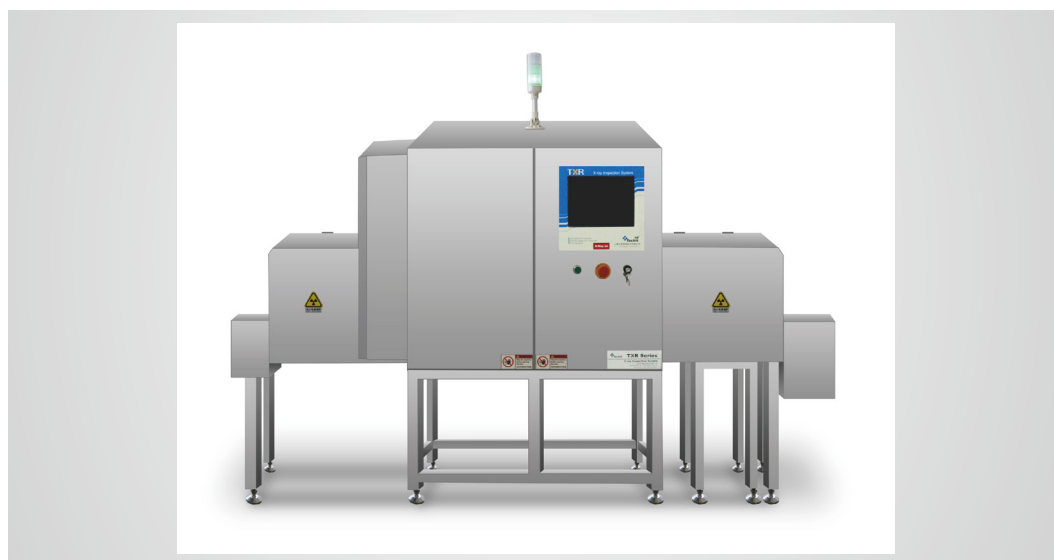
Model	TXR-4080BDE
X-ray Tube	MAX. 80Kv, 320W
Maximum Inspection Width	400MM
Maximum Inspection Height	100MM
Best Inspection Ability	SUS Ball Φ 0.3mm、SUS Wire Φ 0.2*2mm
Conveyor Speed	10–40m/min
Operating Environment	Temperature: $-10\sim 40^{\circ}\text{C}$ Cooling Method: Industrial Air Conditioning Humidity: 30–90%, Frosting-free Humidity Control: Dehumidifier
X-ray Leakage	< 1 Microsievert per hour
Protection Method	Removable Protective Curtain
Alarm	Sound and light alarm; Rejector is optional
Power Supply	AC220V, 15Kva Max, 50/60Hz
Levels of Protection	IP66
Main Material	SUS304

Dual-beam X-ray Inspection System

Suitable for packaged products that are taller than they are wide like e.g. composite cans,PET bottles, glass jars and metal cans.

X-ray Inspection System TXR-BDX Series

- Applying double sets of imaging systems, to achieve inspection in double visual angles and avoid missing inspection of blind area.
- Intelligent zoning to ensure optimal sensitivity for different areas.
- Multi-function, to achieve the inspection for foreign bodies, caps , filling level and packing defects synchronously.



Model	TXR-2080BDX
X-ray Tube	Single tube MAX. 120kV, 480W
Maximum Inspection Width	180mm
Maximum Inspection Height	250mm
Best Inspection Ability	SUS Ball Φ 0.4mm, SUS Wire Φ 0.3*2mm
Conveyor Speed	10–70m/min
Operating Environment	Temperature: –10~40°C Cooling Method: Industrial Air Conditioner Humidity: 30–90%, Frosting-free Humidity control: Dehumidifier
X-ray Leakage	<1 Microsievert per hour
Rejecter	Push Type
Pressure Requirements	0.6–0.8Mpa
Power Supply	AC220V, 1.5kVA Max, 50/60Hz
Levels of Protection	IP66
Main Material	SUS304

Note:

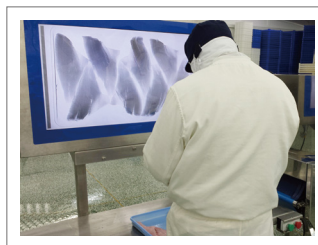
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X-ray Inspection System for Fish Bones

The contaminants inspection for the bones (fish bones and chicken bones) mixed in the product in production line. Suitable for the bones contaminants inspection for Pork , Fish , Chicken etc.

X-ray Inspection System TXR-F Series

- Unique image processing algorithms, tiny fish bones also can be clearly shown.
- External HD screen, high identification of fish bones.



Model	TXR-4080F
X-ray Tube	MAX. 80kV, 350W
Inspection Width	400mm
Inspection Height	100mm
Best Inspection Sensitivity	SUS BallΦ0.3mm、 SUS WireΦ0.2*2mm
Conveyor Speed	5-20m/min
Display Screen	Full-color TFT 15" Touch Screen (HD 19",30",42" screen is optional)
O/S	Windows XP Professional
Connectivity	LAN port, USB port
Product Management	Complete Product Log
Parameter Adjustment	Auto setting/Manual learning
Image Management	Image Save/Print/Analysis
Power Supply	AC220V (Optional)
Main Material	SUS304
Purification	Easy to Wash
Temperature Adjustment	Industrial Air Conditioning
X-ray Emissions	< 1 microsievert per hour
Protection Mode	Removable Protective Curtain

Note:

The technical parameter above namely is the result of sensitivity by inspecting only the test sample on the belt. The sensitivity would be affected according to the products being inspected .