X-ray Foreign Object and Defect Inspection Solution



Increase productivity

Improve product quality

Reduce manufacturing cost

Flexible customization

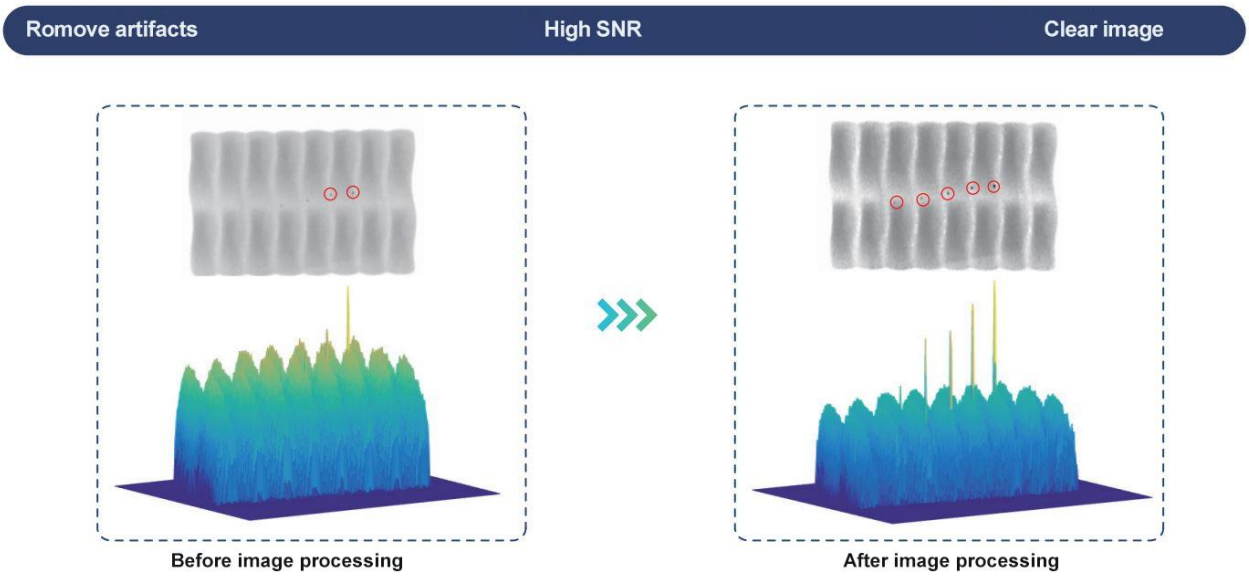
Dongguan Coso Electronic Tech Co., Ltd.

The X- ray inspection system has the function of both foreign object detection and defect inspection. It can detect unwanted physical impurity such as metal, glass, bone, ceramic and stone mixed with products or raw materials, regardless of their shape or location.
It can also inspect the defect of products such as incomplete, fracture, crack, broken and overlap.
Also, it's equipped intelligent algorithm that can be trained to flag defect that's hard to detect to achieve automatic alarm.

Advantage

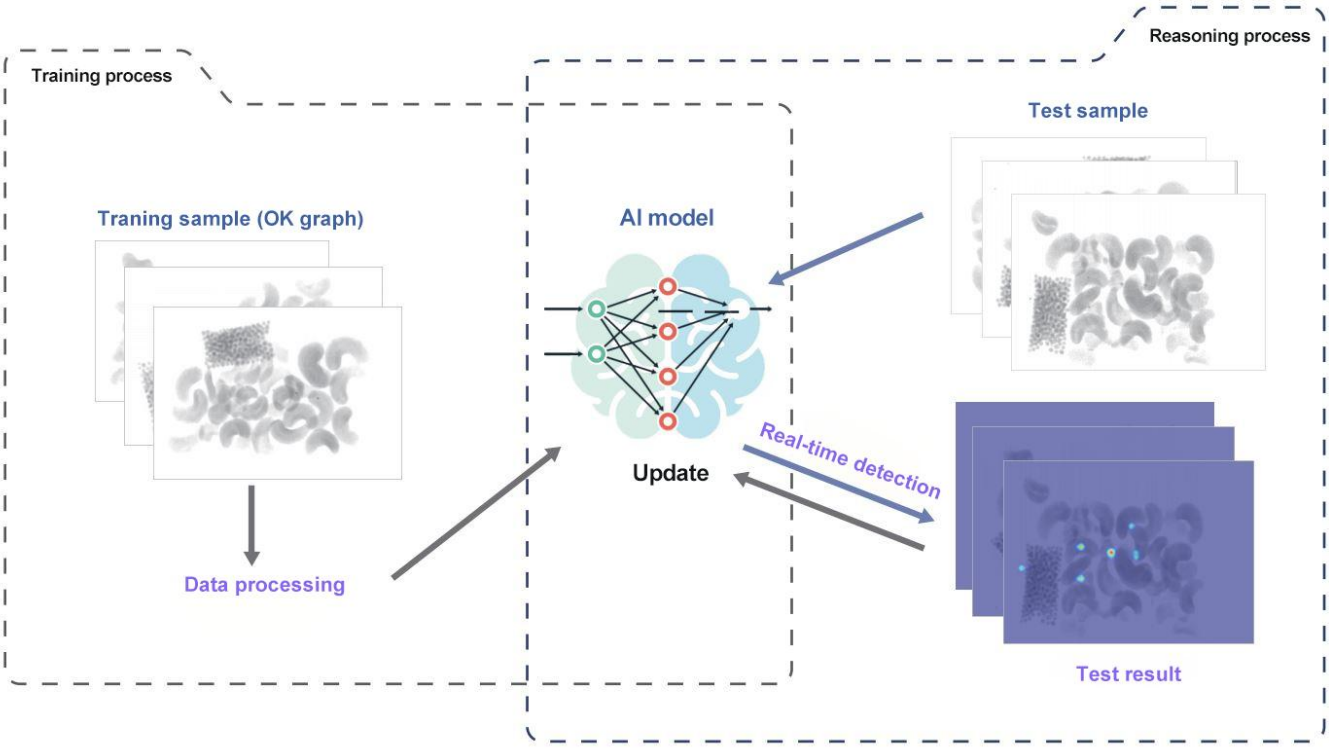
Image Program

The new image enhancement engine makes detailed imaging clearer, which has greater advantages in improving the detection rate of foreign objects and defects and reducing the false alarm rate.



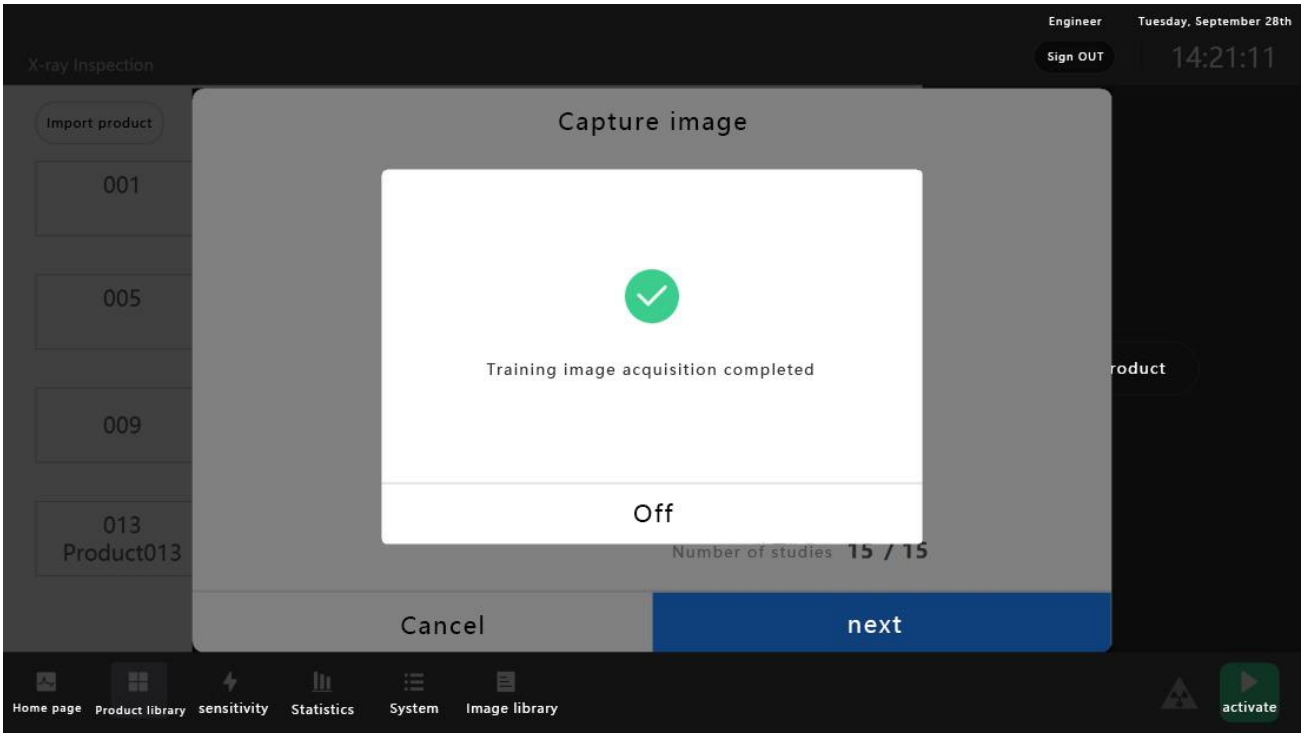
Intelligent Algorithm

The algorithm can collect samples in real time and improve detection capabilities through continuous learning.



Convenient Operation

Equipment parameters are basically free of debugging, the software operation is user-friendly and easy to understand.



Applicable Fields

Widely used in fruits, vegetables, prepared foods, snack foods, aquatic products, daily chemicals, pharmaceuticals, health care, plastics and many other fields.



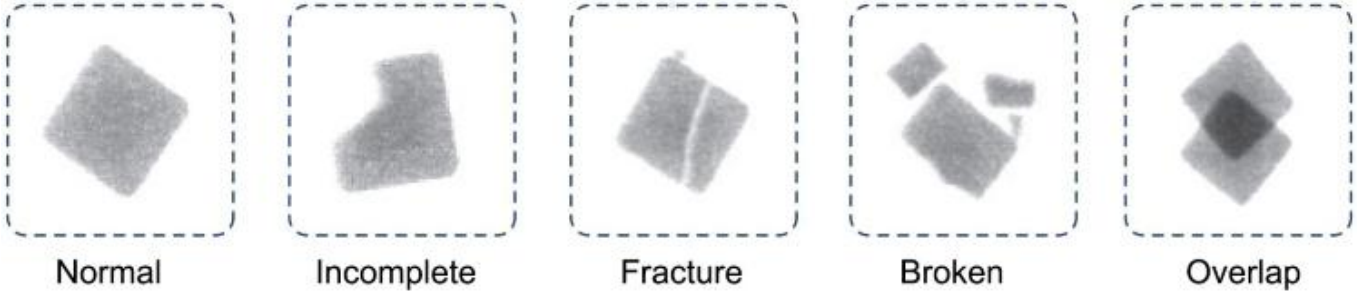
Products Series

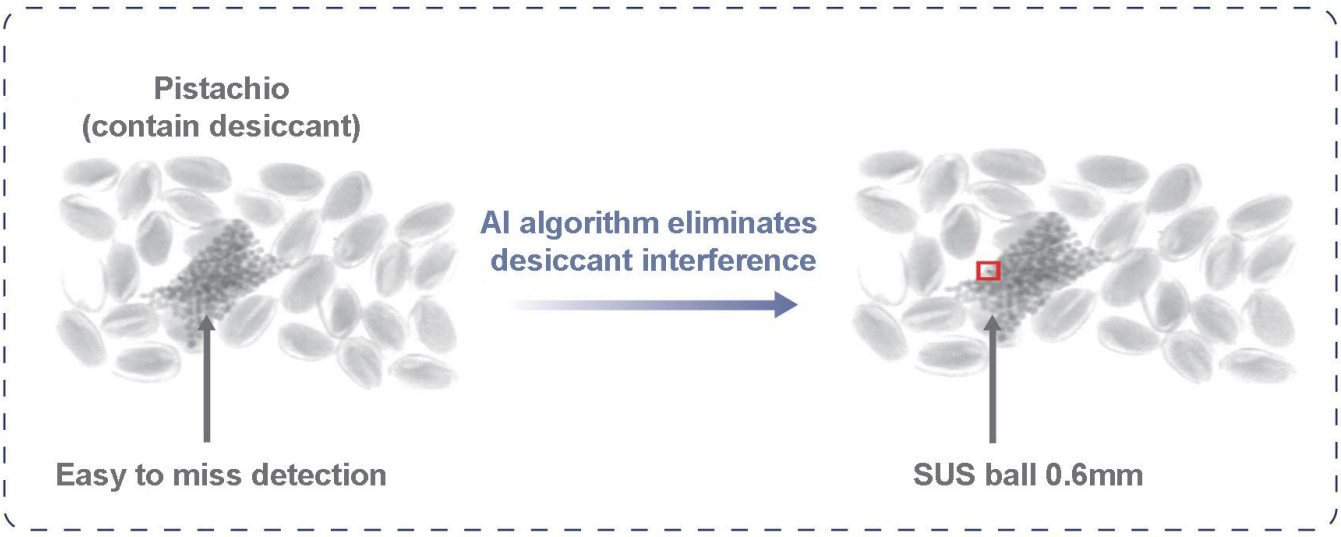
XS Series X-ray Inspection System (for bagged)





- While detecting foreign object in the product (metal, stone, ceramic, glass, bone), it can also simultaneously detect defects, such as poor product form, including incompleteness, fracture, breaks, overlap, etc., effectively preventing the outflow of defective products.
- Product counting & integrity detection in opaque product packaging.
- Reduce the impact of desiccant & deoxidizer.



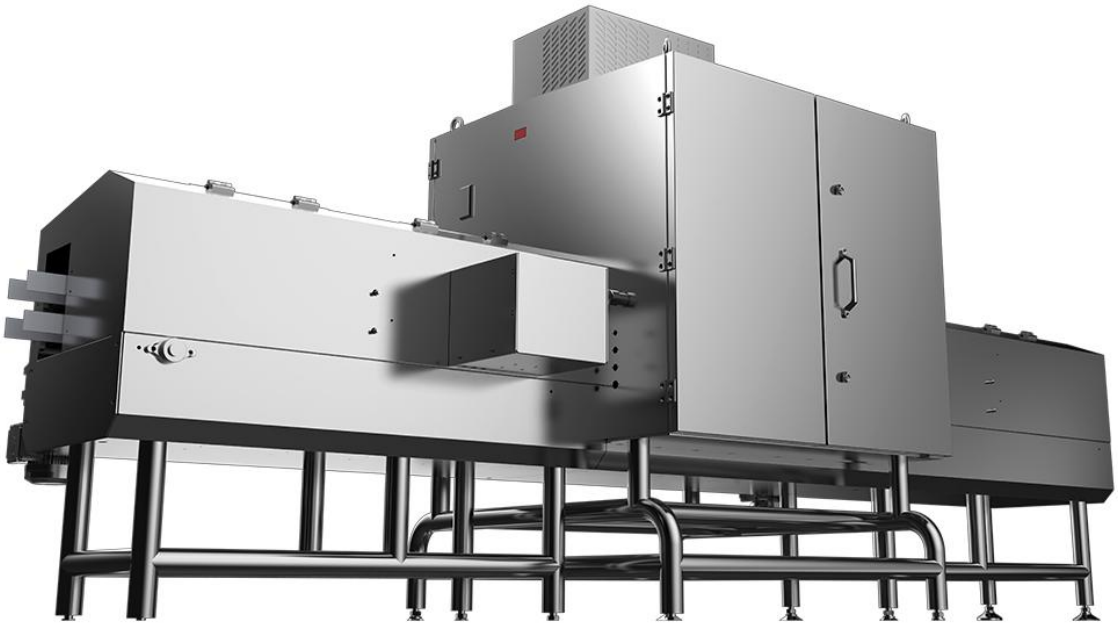


Specification

Model		XS4016	XS5025	XS6030	XS8050
Structure	Tunnel width	400mm	500mm	600mm	800mm
	Tunnel height	160mm	250mm	300mm	500mm
	Dimension	2009(H)*1094(L)* 902(W)mm	2090(H)*1500(L)* 1180(W)mm	2140(H)*1500(L)* 1280(W)mm	2301(H)*2021(L)* 1635(W)mm
	Weight	380kg	500kg	600kg	800kg
	Frame material	SUS304	SUS304	SUS304	SUS304
Conveying	Conveyor material	Food grade PU	Food grade PU	Food grade PU	Food grade PU
	Conveyor width	400mm	500mm	600mm	800mm
	Height from conveyor to ground	800±50mm	800±50mm	800±50mm	800±50mm
	Conveyor speed	10~60m/min	10~60m/min	10~60m/min	10~60m/min
	Max load	10kg	15kg	20kg	30kg
X-ray	X-ray tube voltage	40~80kv	40~80kv	30~80kv	60~120kv
	X-ray tube current	200~5000μA	200~5000μA	4000~7500μA	200~7500μA
	X-ray power	210W	210W	350W	480W
	Stainless steel ball（Φ）	0.3mm	0.3mm	0.5mm	0.5mm
	Stainless steel wire	0.2*2mm	0.2*2mm	0.3*2mm	0.3*2mm
	Glass ball（Φ）	1.0mm	1.0mm	1.5mm	1.5mm
	Ceramic ball（Φ）	1.0mm	1.0mm	1.5mm	1.5mm
Configuration	Protection level	Conveying part： IP66			
		Other sections： IP54			
	Rejection	NG belt stops；automatic rejection（optional）			
	Alarm mode	Sound and light alarm			
	Display	21.5 inch touch screen, resolution 1920*1080			
	Cooling	Industrial air conditioner			
	Protection	4 layers of protective curtains at entrance and exit			
	X-ray leakage	≤1 μ Sv/h			
	Working temperature	-10~40℃			
	Working humidity	30~90%RH，no frost			

XS Series X-ray Inspection System (for bottle)





- While detecting foreign object in the product (metal, stone, ceramic, glass, bone), it can also simultaneously detect defects, such as poor product form, including insufficient or overfilled cans, bumps and deformations of the cans, upside down jar, etc.



SUS



Glass



Ceramic



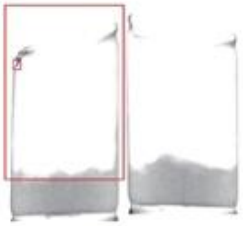
Bottle neck



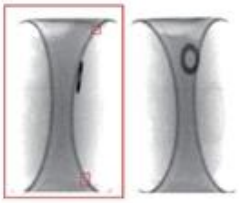
Bottle wall



Bottle bottom



Different fill level



Upside down jar



Deformation caused by collision

Specification

Model		XS1625S	XS1625D
Structure	Tunnel width	160mm	160mm
	Tunnel height	250mm	250mm
	Dimension	2150(H)*4200(L)* 1500(W)mm	2150(H)*4200(L)* 1500(W)mm
	Weight	900kg	1000kg
	Frame material	SUS304	SUS304
Conveying	Conveyor material	Food grade PP chain plate	Food grade PP chain plate
	Conveyor width	150mm	150mm
	Height from conveyor to ground	800±50mm	800±50mm
	Conveyor speed	30~60m/min	30~60m/min
	Max load	15kg	15kg
X-ray	X-ray	Single	Double
	X-ray tube voltage	60~120kv	60~120kv
	X-ray tube current	200~7500μA	200~7500μA
	X-ray power	480W	480W
	Stainless steel ball（Φ）	0.5mm	0.5mm
	Stainless steel wire	0.3*2mm	0.3*2mm
	Glass ball（Φ）	1.5mm	1.5mm
	Ceramic ball（Φ）	1.5mm	1.5mm
Configuration	Protection level	Conveying part： IP65	
		Other sections： IP54	
	Rejection	NG stops；automatic rejection	
	Alarm mode	Sound and light alarm	
	Display	21.5 inch touch screen, resolution 1920*1080	
	Cooling	Industrial air conditioner	
	Protection	Shield	
	X-ray leakage	≤1 μ Sv/h	
	Working temperature	-10~40℃	
	Working humidity	30~90%RH，no frost	

Company Profile

Dongguan Coso Electronic Technology Co.,Ltd, established in 2005, is located in Dongguan city, Guangdong province where manufacturing industry is developed fast and the transportation is very convenient. We specialize in manufacturing professional detection equipment which includes industrial metal detector, metal separator, dynamic checkweigher and X-ray inspection system.
We have a lot of experience in international trade and our products have been exported to over 80 countries around the world.
All of our products can be customized and we always hope to achieve a win-win situation with our clients.



Metal detector



Metal separator



Checkweigher



X-ray inspection system

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