



Product highlights

Lax sealing and material stuffing are the first of several stubborn issues in the processing of snack foods, causing "leak oil", flowing into the subsequent production line, polluting the product and causing short-term food deterioration.

Matrixcope has launched the intelligent X-ray Inspection System, and could solve the unresolved problems of material clamping and oil leakage in aluminum foil packaging, plastic packaging, small bags, medium bags, vacuum packaging and etc.

General specifications

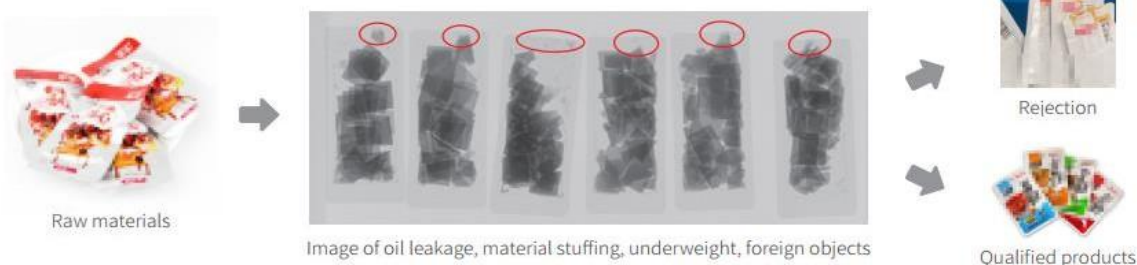
PHYSICAL SPECIFICATIONS

Best Inspection Ability without Product	0.3*0.3*0.3mm(SUS304 ball) 0.2*2mm(SUS wire) 0.8 mm (Glass Ball) 0.8 mm(Ceramic)
X-ray tube	MAX.350W/80kV Beryllium Window
Max Detecting Height	160mm
Max Detecting Width	240mm
Conveyor Parameter	Speed: 10-90m/min Max Load: 10kg
Working Direction	Left to Right
Conveyor Height	750+100mm
Screen	Full-color TFT 15" Touch Screen
O/S	Windows 7/10
Connectivity	LAN port, USB port
Product Management	Complete product log
Parameter Adjustment	Auto learning/Manual setting
Image Management	Auto image save/print/analyses
Power Supply	220V, AC, 50/60Hz
Body Material	SUS304
Purification	Easy to wash
Cooling method	Air conditioner cooling
Operation temperature	0-40°C
Operation humidity	30-90%
X-ray emissions	< 1microsievert per hour
X-ray protection	Protective Curtain
Rejector	Tower Light & Buzzer

*Remarks:

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.

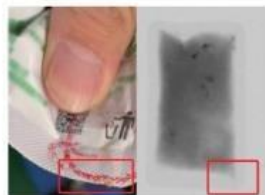
> DETECTION PRINCIPLE



> DETECTION EFFECT



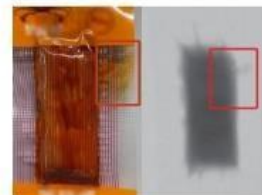
Aluminum foil packaging
sealing folds



Oil leaking from aluminum
foil packaging seal



Clamping on aluminum
foil packaging seal



Oil leaking from transparent
packaging seal

> PRODUCT CHARACTERISTICS



Contaminants Detection

Contaminants: metal, glass, stones and other malignant impurities; plastic flakes, mud, cable ties and other low-density pollutants.



Oil Leakage & Stuffing Detection

High-speed, high-definition TDI detector, 8 times better in exposure.
Accurate rejection for oil leakage, stuffing, oily juice contamination, etc.



Online Weighing

Contaminants inspection function.
Weight checking function, $\pm 2\%$ inspection ratio.
Overweight, underweight, empty bag, etc. can be inspected.



Visual Inspection

Visual inspection by supercomputing system, to check product packaging appearance.

Wrinkles at the seal, skewed press edges, dirty oil stains, etc.



Flexible Solution

Exclusive and complete solutions can be customized according to customer needs.



TIMA Platform

TIMA platform, integrating R&D concepts such as high sensitivity, low energy consumption, low radiation, intelligent algorithms, and high hygiene level.

