

## X-Ray Industrial Food Inspection For Foreign Object And Contamination Detection

Our Product Introduction

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### Basic Information

- Place of Origin: 00
- Brand Name: 2
- Certification: 3
- Minimum Order Quantity: 290
- Packaging Details:
- Delivery Time:
- Payment Terms:
- Supply Ability:



### Product Specification

- Model NO: AT4016
- Customized: Customized
- Conveyor Belt Speed: 3-60 M/Min
- Transport Package: Wooden
- Trademark: Safeway System
- Certification: CE, ISO, FDA, RoHS, FCC
- Metal: Type Iron
- Thickness: 203\*193\*15cm
- Box Type: Self Erecting Boxes
- Radiation Power: 840~1300MW
- Metal Type: Iron
- Universal Type: Fit For 80% Model Cars' Injectors
- Indian Hair: Yes
- Size: 390x240x185cm
- Hair Styles: Body Wave, Straight



## Product Description

### X-Ray Industrial Food Inspection For Foreign Object And Contamination Detection

#### Introduction:

AT4016 X-ray foreign body detector is a single-source X-ray foreign body detection equipment independently developed by Safeway System. The equipment uses embedded Linux operating system and integrated hardware configuration, the system runs fast, the operation is convenient, and the configuration resources are highly integrated!

#### Product details:

Item	Technical Data	
	AC Power	AC 220V+/-10%, 50Hz
Output	Tube current	5mA
	High voltage transfer input voltage fluctuation	+/- 1%
X Ray Generator	Cooling method	Force air cooling
	Insulated method	SF6 gas insulation
	Soft working pressure (20°C)	0.35~0.45Mpa
Working Condition	Temperature	-30~40°C
	Relative Humidity	<85%
	Altitude	1000m
Max Penetration Condition	Steel	A3(mm)
	Focal length	600m
	Exposure	≤30mAmin
	Film	Double-sided lead foil sensitization
	Darkroom treatment	20+/-2°C, 5min
	Optic density	D≥2.0
The controller	Size	
	Weight	
	Timing error	5min +/- 10%
Working Rate	Working & rest 2:1 working rate, the max exposure time 9.5min	

#### Applicable place:

The product is widely used in the food industry, medical industry, textile industry, aquaculture and processing industry, integrated circuit board industry, etc.; the quality control of the food industry meets HACCP and IFS certification, and requires identification of product defects such as damage, deformation, and missing. Air bubbles, etc., eliminate hidden product quality hazards

#### Working principle:

The X-ray foreign body detector uses the penetrating ability of X-rays to effectively detect all kinds of metal foreign bodies or non-metal foreign bodies in the product, with higher sensitivity and high stability, helping to effectively improve the quality of the finished product, and not only can detect food ( Foreign objects in meat products, aquatic products, fruits and vegetables, additives, milk powder, chocolate, jelly, etc.), medical treatment, textiles (broken needles, abnormal labels, etc.) can also identify product defects: such as packaging cracks, air bubbles, content defects, etc. Achieve complete finished product inspection.

#### Leading advantage:

Digital processing: The first all-digital foreign body detector in China, from signal transmission, reception, processing to image display, all-digital signal transmission, strong anti-interference ability.

Unique system: Embedded Linux operating system, adopts multi-core ARM, simple architecture, extremely low power consumption, energy saving and environmental protection, and has real-time status monitoring function to keep track of the equipment working process.

Parameter accuracy:

The product has high detectable accuracy, clear image and good visibility

Safety and environmental protection:

The equipment complies with industry safety protection, extremely low radiation dose and leakage; with one-key shutdown function

Stable and reliable:

The product development and production process are strictly controlled in accordance with the ISO9001 quality management system. Through strict high and low temperature tests, electrostatic interference tests, damp heat tests and vibration tests, the products are guaranteed to run continuously for more than 10,000 hours without failure.

#### Radiation safety:

Single inspection dose is less than 1.5μGy

Leaked radiation dose rate is less than 0.3μGy/h (testing anywhere 5cm away from the outer surface of the equipment meets and is better than domestic and foreign health and safety standards)

Efficient radiation protection Adopt double-layer isolation, wear-resistant, strong protective curtain.

#### Equipment function:

Mode function The device has main working mode and training mode; and according to different test items, there are two options of shielding function and non-shielding function in training mode

System function power-on self-check, multi-level user management, image management, curve diagnosis, system equipment information, 1-16 times stepless zoom, equipment information query, built-in report statistics, fast language switching, U disk upgrade software, one-key calibration, One-button shutdown, 9-level adjustable motor speed, self-learning of items, item management



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