



Product highlights

High Efficiency

Matrixscope MTC-9005XPRO series conveyor type metal detector are designed to inspect products for metal contaminants in the food, plastics and packaging Industries. They can be purchased as a search head that can be integrated into a production or packaging line. Once installed, they help to reliably protect consumers and machines from metallic contaminants and help manufacturers to achieve compliance (HACCP, GMP, FDA and ISO), improve product quality and protect brand.

General specifications

TECHNICAL SPECIFICATIONS

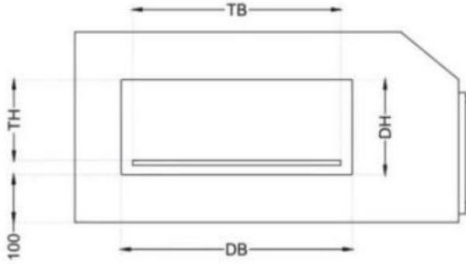
Material of Construction	SUS 304
Memory Function	Store 207 product parameters
Operation Panel Languages	English, Spanish, Korean, Chinese
Auto-learning Function	Yes
Operation Frequency	100 to 200 kHz
Screen	7" Full colors touchable screen
USB Capability	Optional
Conveyor Material	Standard: White PVC. (PU material is optional)
Conveyor Length	Standard: 1400mm (Can be customized)
Conveyor Speed	Standard: Constant 24m/min (Adjustable speed is optional)
Conveyor Height from Ground	Standard: 680mm ± 30mm (Can be customized)
Conveyor Direction	Standard: From left to right (Operator face to operation panel)
Motor Power	Standard: 120W (200W, 400W are optional)
Bearing Capacity	Standard: 5 Kg (10kg - 100kg are optional)
Alerting Manner	Sound and red light warning, conveyor stop automatically
Emergency Stop Button	Included
Working Temperature	- 5°C~40°C (23°F~104°F)
Automatic Rejection System	Optional (Please see below options)
Humidity	Below 90% Relative humidity (Non-condensing)
Power Supply	Alternating current 110-380V (50/60Hz)



Features:

- Customized orders are acceptable for Juzheng.
- Can be integrated with the existing conveyor system.
- Simplified operation interface provides instant machine status.
- Multiple product memories for rapid product change over and 207 product datas storage.
- Intermediate frequency technology provides best balance between detection performance and cost.
- Standard across all of the XR-506 series, the 7" touchscreen enhances usability over previous generation metal detectors.
- Auto-Learn function rapidly delivers great detection sensitivities out of the box and provides more line uptime than ever before.
- USB function (Optional): Export detection data via USB port.

Aperture Dimensions & Sensitivity:



Dimension TB = Max Through Width

Dimension TH = Max Through Height

Dimension DB = Aperture Width

Dimension DH = Aperture Height

DB=TB + 50mm

DH=TH + 30mm

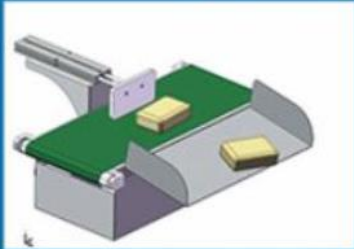
Available Aperture Width (DB:mm)			250 - 1500		
Aperture Height (mm)			Detection Sensitivity ((Φ mm)		
DH	TH	Ferrous	Non-Fe	SUS	
80	50	0.6	0.8	1.0	
100	70	0.8	1.0	1.2	
120	90	0.8	1.2	1.5	
150	120	1.0	1.2	1.5	
180	150	1.2	1.5	2.0	
200	170	1.5	2.0	2.5	
250	220	1.5	2.0	2.5	
280	250	2.0	2.5	3.0	
300	270	2.0	2.5	3.5	
350	320	2.5	3.5	4.0	
380	350	3.0	3.5	4.0	
400	370	3.5	4.0	4.5	
500	470	4.0	5.0	5.5	

Remarks:

1. Standard aperture width range: 400-450mm;
2. Standard aperture height range: 200-250mm;
3. The parameters listed above are tested without taking into account the environmental interference.

The actual detection accuracy may be subject to working environment and components of the products to be tested.

Automatic Rejection Systems to meet multi-applications (Optional):



Pusher

Suitable for small or large or thick packed products,



Heavy Load Pusher

Suitable for very large or heavy weight packed products.



Drop down

Suitable for small, thin products or unpacked products.



Air jet

Suitable for small, thin products with light weight, or high-speed line.



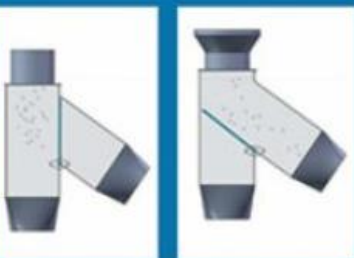
Flipper

Suitable for thick bag, boxed products.



Shuttle

Suitable for small products or unpacked products.



Flap

Suitable for small, thin products or unpacked products.



Suitable for thin, boxed products.



Suitable for box and bottle products, saving installation space.