**Metal Detector**

### Conveyor belt type metal detector

**Model:** AC-RCB Series

- 5.7 inch color Touch Screen
- Optimized Anti-vibration, Good Stability
- Digital Signal processing technology

**Specifications**

- Tunnel size: 350mm(width) x 175mm(height)
- Passing through area: 300mm(Width) x 135mm(height)
- Detecting accuracy: FEΦ1.0mm, SUSΦ2.2mm
- Conveyor belt speed: 10-45m/min
- Transmission capacity: 5kg
- Power: 300W
- Weight: About 150kg

**Configuration**

- 3 screen languages for option, 99 programmes for memory.
- 5.7 inch color touch screen display.
- System self-learning product, to replace complicate operation.
- White PU belt, all stainless steel framework, in line with Hygiene Requirement.
- Data statistics, unqualified products can be recorded.
- Alarm Signals: Sound and light alarm.
- Output mode: pneumatic rejector or belt-stop.
- Lockable collecting bin for unqualified product.

**Application**

Conveyor belt type metal detector could be widely used in industries of food, medicine, chemical, textile etc., for detecting metallic impurities. It could avoid product effect and external influence on it. Rejecting like pusher, air-blown, flipper could be applied for online detection automatically.
High-speed conveyor belt type metal detector

**Model:** AC-RHB Series

- **5.7 inch color touch screen**
- **100m/min, high speed detection**
- **Compact design, space-saving**

**Specifications**

- Tunnel size: 300mm(width) x 120mm(height)
- Passing through area: 250mm(Width) x 80mm(height)
- Detecting accuracy: FEPΦ0.8mm, SUSΦ1.8mm
- Conveyor belt speed: 10-100m/min
- Transmission capacity: 2kg
- Power: 300W
- Weight: About 150kg

**Configuration**

- 3 screen languages for option, 99 programmes for memory.
- 5.7 inch color touch screen display.
- System self-learning product, to replace complicate operation.
- White PU belt, all stainless steel framework, in line with Hygiene Requirement.
- Data statistics, unqualified products could be recorded.
- Output mode: belt-stop.
- Brushless DC Motor, Speed adjusted by inputting digit.

**Application**

High-powered and high-torqued BLDCM is used in high speed metal detector, which is most suitable for detecting metallic impurities in high speed production line. Automatic rejecting device could be installed for online detection.
Modular belt type metal detector

**Model:** AC-RMB Series

- 5.7 inch color Touch Screen
- Optimized Anti-vibration
- Good Stability
- Dry or wet application

**Specifications**
- Tunnel size: 450mm (width) × 250mm (height)
- Passing through area: 410mm (Width) × 210mm (height)
- Detecting accuracy: FEΦ1.5mm, SUSΦ2.5mm
- Conveyor belt speed: 30m/min
- Transmission capacity: 50kg
- Power: 450W
- Weight: About 180kg

**Configuration**
- 3 screen languages for option, 99 programmes for memory.
- 5.7 inch color Touch screen.
- System self-learning product, to replace complicate operation.
- Modular belt, all stainless steel framework, in line with Hygiene Requirement.
- Data statistics, unqualified products can be recorded.
- Alarm Signals: Sound and light alarm.
- Output mode: belt-stop.

**Application**
- Conveyor belt type metal detector could be widely used in industries of food, medicine, chemical, textile etc., for detecting metallic impurities. Modular belt is easy to clean, transmit heavy product, be suitable for dry or wet product. It could be well-connected with production line by the signal input/output port.

AC-RMB
**Metal Detector for stand-up product**

- **Model:** AC-RMB-BS Series
- **5.7 inch color Touch Screen**
- **Modular belt, easy to clean with Adjustable Guiding rails**

### Specifications
- Tunnel size: 125mm(width)×250mm(height)
- Passing through area: 100mm(Width)×215mm(height)
- Detecting accuracy: FEΦ1.5mm, SUSΦ2.0mm
- Conveyor belt speed: 35m/min
- Transmission capacity: 10kg
- Power: 300W
- Weight: About 110kg

### Configuration
- 3 screen languages for option, 99 programmes for memory.
- 5.7 inch color Touch screen.
- System self-learning product, to replace complicate operation.
- Modular belt, all stainless steel framework, in line with Hygiene Requirement.
- Data statistics, unqualified products could be recorded.
- Alarm Signals: Sound and light alarm.
- Output mode: flipper rejecting device or belt-stop.

### Application
- Modular belt type metal detector specially designed and made for products in bottle, can, stand-up bag etc., to detect metallic impurities in pack or product. Modular belt is easy to clean, transmit heavy product, be suitable for dry or wet product. It could be well-connected with production line by the signal input/output port.

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HighDream Intellectualized Machinery
Tel:(86-757)2239 6957 Fax:(86-757)2239 6959 www.highdream.net
NO.8 ZHIYE ROAD BEIJIAO TOWN SHUNDE FOSHAN GUANGDONG CHINA
Combined metal detector / weight checker

Model: AC-MDC Series

Large screen display, easy operation
Compact design, Composable system
Double detecting functions

Specifications
- Tunnel size: 330mm(width)×150mm(height)
- Passing through area: 280mm(Width)×110mm(height)
- Packing length: ≤350mm
- Detecting accuracy: FEφ1.0mm, SUSφ2.0mm
- Sorting accuracy: ±0.5g Weighing range: 5g-900g
- Conveyer belt speed: 10-45m/min
- Power: 350W
- Weight: About 160kg

Configuration
- 1 screen language for option, 10 programmes for memory.
- Control panel with keyboard, Large LCD screen display .
- System self-learning product, to replace complicate operation.
- White PU belt, all stainless steel framework, in line with Hygiene Requirement.
- Data statistics, unqualified products could be recorded.
- Output mode: two rejecting arms.

Application
AC-MDC Series is a combined unit for metal and weight detection. Compact design, with two rejecting arms for respectively detecting metallic impurities and weight of product. It’s the best solution for online metal and weight detection.
Freefall type metal detector

Model: AC-RFF Series

5.7 inch color touch screen

Optimized anti-vibration, good stability

Specifications
- Aperture size: Φ100mm
- Detecting accuracy: FEΦ0.6mm, SUSΦ1.8mm
- Power: 50W
- Weight: About 45kg

Configuration
- 3 screen languages for option, 99 programmes for memory.
- 5.7 inch color touch screen display.
- System self-learning product, to replace complicate operation.
- All stainless steel framework, in line with Hygiene Requirement.
- Data statistics, unqualified products could be recorded.
- Alarm Signals: Sound and light alarm.
- Output mode: stop.

Application
- Free-fall type metal detector is generally installed with gravity flow tube, multi-head weigher and hopper of vertical bag packaging machine, for detecting products like powder, granular materials.
Mini conveyor belt type metal detector

**Model:** AC-RCB Series

- Large screen display, easy operation
- Designed for special application
- Small size, High sensitivity

**Specifications**

- Tunnel size: 150mm(width) × 100mm(height)
- Passing through area: 110mm(Width) × 60mm(height)
- Detecting accuracy: FeΦ0.6mm, SUSΦ1.8mm
- Conveyor belt speed: 10-60m/min
- Transmission capacity: 1 kg
- Power: 150W
- Weight: About 100kg

**Configuration**

- 2 screen languages for option, 10 programmes for memory.
- Control panel with keyboard, Large LCD screen display.
- System self-learning product, to replace complicate operation.
- White PU belt, all stainless steel framework, in line with Hygiene Requirement.
- Data statistics, unqualified products could be recorded.
- Alarm Signals: Sound and light alarm.
- Output mode: pneumatic arm rejector or belt-stop.
- Collecting bin for unqualified product.

**Application**

- Mini metal detector is with mini size and high sensitivity.
- Detecting head could be flexibly combined with conveyor belt, most suitable for detecting small product in special application.
**Metal Detector**

**X-ray Detecting Machine**

17 inch color Touch Screen  
Images stored in hard disk  
System self-learning on products

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### Specifications

Tunnel size: 230mm(width)×120mm(height)  
Passing through area: 230mm(Width)×120mm(height)  
Detecting accuracy: FEФ0.8mm, SUSФ0.8mm  
Conveyor belt speed: 5-28m/min  
Transmission capacity: 1kg  
Power: 1000W  
Weight: About 800kg

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### Configuration

17 inch Touch screen, large screen display, easy operation;  
Images stored in hard disk, for user to track the product;  
System self-learning on products;  
Port for external connecting with production line, to make complete automatic detection;  
With X-ray protective device, leaked volumen < 1μSv/h, High Safety, No harm to human.

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### Application

Used in food, medicine, chemical industries, to detect metallic or non-metallic impurities. It can also detect and find missed, defected or empty pack in production line. X-Ray machine can detect different packed product, in metallic and non-metallic bag, or even can and so on. Temperature, humiinity and salt content will not affect the detection.