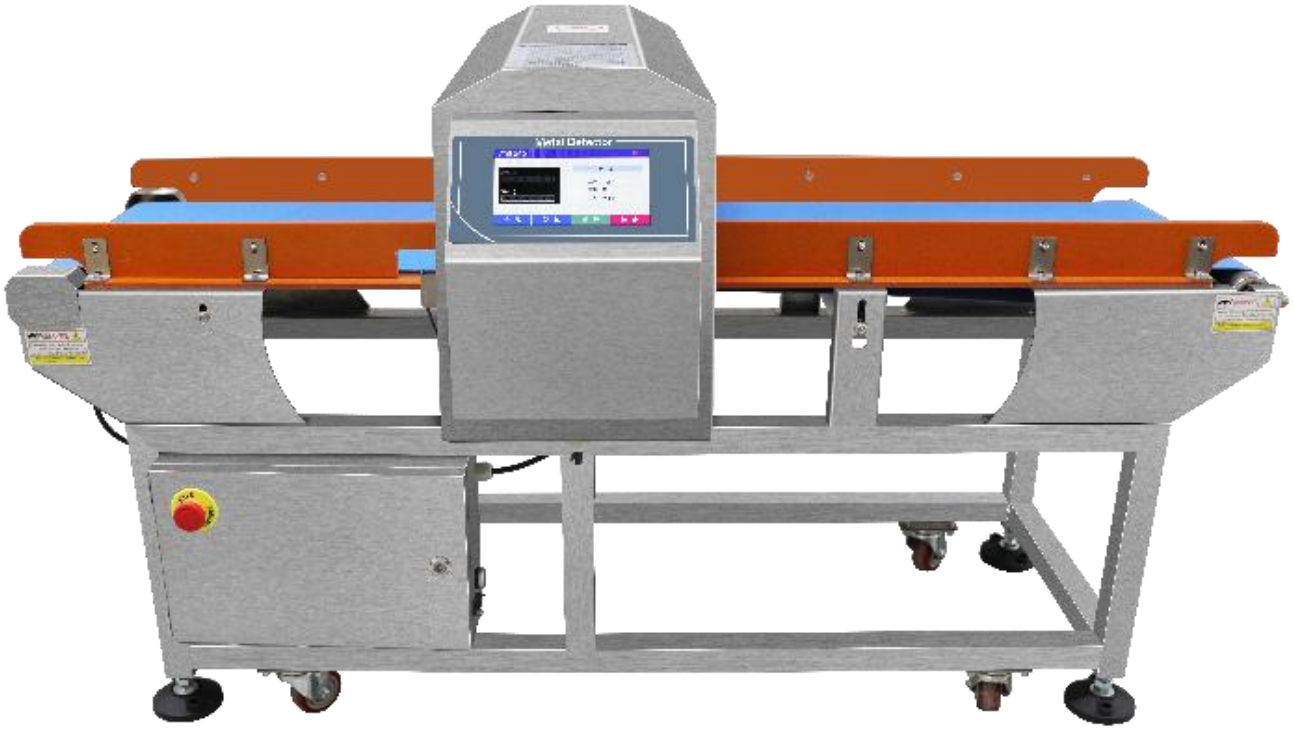
JD-605 Intelligent Food Metal Detector



Product Introduction：

This metal detector is a new generation of microcomputer intelligent metal detector launched by the company. It has high sensitivity and stable performance. It has broken through the technical bottleneck that most equipment is only sensitive to magnetic substances, and has a good exclusion effect on products with moisture and frozen products. The product adopts a dual-circuit circuit design, a 7-inch ultra-large full-color LCD touch screen, and an automatic learning system function to learn the characteristics of the product, making it more convenient and intuitive to operate. This equipment can detect metals such as iron and non-ferrous metals, with adjustable sensitivity and memory function. It can preset parameters for 15 types of detection materials, and can be equipped with a kick-out function according to user needs. The whole machine is made of stainless steel, which is anti-corrosion, rust-free, and easy to clean. It can be widely used in metal detection in food, medicine, toys and other objects with high requirements.

Applicable industries：

Food & Beverages	Confectionery & Dairy Products	Medicines &Health Products	Seafood &Meat






Technical Parameters：

Detection method	Electromagnetic wave detection, a new combination of analog circuits and digital circuits
Display	Digital circuit new 7-inch full-color touch LCD display
Detection sensitivity	Fe>C0.8mm,CU>1.0mmSUS:>1.8mm
Sensitivity adjustment	Level 100
Alarm method	Sound and light alarm, shutdown
Conveying speed	20m/min
Detection width	400mm
Detection height	W450mmXH180mm
Memory product quantity	110
Power supply	220VAC，50Hz
Power consumption	200W
Weight	180kg

Function Introduction：

1. Double-circuit electromagnetic wave detection, a new combination of analog circuit and digital circuit, greatly improves the reliability and intelligence of the product.

2. Adopting new touch screen input and large-scale integrated circuit, the CPU completes the collection of analog signals and converts them into digital quantities for processing and output, automatically searches for the best point of the metal content of the detected object, and greatly improves the sensitivity and reliability of detection.

3. Adopting humanized interface design, the whole operation process is simple and intuitive, the human-machine interface is clear at a glance, and all functions can be directly operated on the screen to complete the executed functions.

4. Various required functions and modes can be set, and self-test function is set.

5. When trace metal is detected, sound, light, and instrument alarm at the same time, the machine stops or unqualified products are kicked out.

6. This product adopts a computer control system, which can complete the statistics of the number of detected objects, classification statistics of qualified products and unqualified products, data storage and printing, identification of dry and wet concentration products, and separation of mutual interference caused by multiple devices working at the same time according to the special requirements of users.

Partial configuration list：

Parts Name	Origin	Quantity (unit)	Specification
conveyor	Shanghai Wynn	1	Thickness：2.0mm
Motor	Zhejiang University	1	Power： 120w
Machine appearance	Dongguan	1	SUS304 Thickness：3.0MM
Bearings	Dongguan	2	SUS304
Display	Dongguan	1	7 inches
Pneumatic part	AirTac	1	6V0630

- Metal detector
- 1. The working environment of the equipment requires a flat site, and the equipment is installed firmly without vibration;
- 2. There are no moving metal objects around, no high-power frequency conversion interference sources; docking 1kg packaging products;
- 3. The main material is SUS304 stainless steel; the equipment length is ⩾ 1500mm;
- 4. The conveyor belt height is 750mm±50mm, and detection is from left to right;
- 5. The probe hole size is W450mm×H180mm;
- 6. The passing product size is W400 × H120mm (increase material effect suppression);
- 7. The conveyor belt width is ⩾370mm; the detection method is automatic detection; the operation interface is LCD display;
- 8. Recording function ⩾100 types;
- 9. Automatic setting (the metal detector can automatically set the detection sensitivity through self-learning once);
- 10. The best sensitivity of the equipment is Fe⩾ ¢ 0.7mm, N-Fe⩾ ¢ 1.5mm, SUS304⩾ ¢ 2.0mm;
- 11. Sound and light alarm; the rejection method is automatic shutdown of the conveyor belt.
- 12. Automatic learning function to learn products with one-click operation