



Features:

- MTC-8001XPRO Automatic Conveyor Needle Detector is one of basic models of our company. It is good for clothing, shoes, toys, textiles, knitwear and so on. It is fit to any enterprises which need detect broken needle or ferromagnetic metal.
- MTC-8001XPRO can keep a long time to work, the efficiency can reach 100% when properly used. The detection sensitivity can be adjusted between 0-10 levels according to the different products being tested. Operation board is light touching-type, easy to operate.
- When the machine detect the broken needle, or Ferromagnetic metal, it will alarm by sound and light, the conveyor belt will stop working or return to the start point, and then move automatically again. Specially, the MTC-8001XPRO has protection circuit, it will auto-stop if no detection goods in 10 minutes.



Product highlights

TECHNICAL SPECIFICATIONS

| Model | MTC-8001XPRO-10 | MTC-8001XPRO-12 | MTC-8001XPRO-15 | MTC-8001XPRO-20 | MTC-8001XPRO-25 |
|---|---|-----------------|---------------------|---------------------|---------------------|
| Power Supply | Ac220V 50-60Hz | | | | |
| Motor | 60W | 60W | 90W | 90W | 90W |
| Main material | High strength carbon steel and ABS plastics | | | | |
| Detection Width | 600mm | | | | |
| Detection Height | 100mm | 120mm | 150mm | 200mm | 250mm |
| Detection Sensitivity | Fe $\geq\phi$ 0.8mm | | Fe $\geq\phi$ 1.0mm | Fe $\geq\phi$ 1.5mm | Fe ϕ 1.5~2.0mm |
| The height from the ground to the conveyor belt | 680mm | | | | |
| Belt width | 560mm | | | | |
| conveying capacity | 10KG | | 15KG | 20KG | 20KG |
| Conveying Direction | from left to right | | | | |
| Conveyor maximum speed | 26m/min | | | | |
| PVC belt for Needle Detector | PVC belt for Needle Detector | | | | |
| Display and operation mode | Soft Touch Control Panel | | | | |
| Alarm method | Alarm by sound & light, the conveyor belt stops | | | | |
| IP grade | IP54 | | | | |
| Machine length | 1650mm | | | | |
| Machine width | 1050mm | | | | |
| Machine height | 900mm | 920mm | 950mm | 1000mm | 1050mm |



Product highlights

Remark:

- The above detection sensitivity is for reference only, and the actual detection accuracy needs to be tested.
- Special specifications can be customized according to customer's requirements.
- The material used for metal detector is SUS304.
- Dustproof and waterproof
- the product of sensitivity and detection of product characteristics (humidity, temperature, salinity, including minerals, etc.), and there are some impact on the environment, such as vibration, electromagnetic interference, and so on will have influence on the actual detection sensitivity of equipment.

Application:

Clothing, toys, crafts, carpets or non-woven cloth, such as the need to test ferromagnetic metal miscellaneous quality inspection industry.

Description of Equipment:

Remarks:

A. Design advantages:

1. It has the function of automatic identification of product features, automatic phase tracking function, conveyor belt can adjust automatic forward and reverse function.
2. Using advanced digital signal processing technology, the device can restrain the product effect and the stability of the equipment.
3. The lightweight fuselage design saves the assembly line space and is completely waterproof, suitable for wet working environment.
4. The probe head and frame are made of stainless steel, sanitary and durable.

B. Hardware advantages:

1. The stainless steel is 304, which guarantees the corrosion resistance of the equipment.
 2. Electrical accessories are selected by schneider electric brand, environmental protection energy saving, safe and reliable.
 3. The belt adopts the haberst food grade PU belt, which can greatly improve the anti-pollution and soiled resistance of the belt through the FDA food grade certification.
- The metal detection probe is filled with epoxy resin to ensure the stability and service life of the equipment.

Machine photograph :

