

# METRON 05 D

## TUNNEL METAL DETECTOR

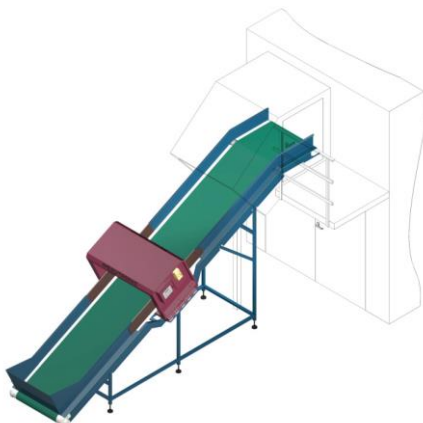
DIVISIBLE TUNNEL METAL DETECTOR FOR INSTALLATION IN BELT CONVEYORS, VIBRATORY CHUTES AND MATERIAL SLIDES



- Detects all metals in solid products or as loose parts.
- High sensitivity in rough industrial environments.
- User friendly and reliable technology, proven for many years.
- A worthwhile investment that protects the valuable production equipment.
- Quick and easy to install.
- Specifically tailored system solutions with reliable conveying technology and selected accessories.



- Efficient and cost saving commissioning thanks to a back-lit LCD graphic display with easy to understand menu text and simple 4 pad operation.
- High detection accuracy in a broad conveyor speed range, from 0.01m/sec to 30m/sec – due to state of the art digital technology.
- Optimal detection results in all uses with the correct detector sizes. Tunnel widths of 200 – 2000mm in 50mm steps and a tunnel height of 100 – 2000mm in 50mm steps. Other sizes are available on request.
- Reliable protection. Only authorised operators that know the 4 digit code can access the 3 operating levels of the metal detector. Chosen functions can be rendered freely accessible for any user by the administrator.
- The continuously operating self monitoring system offers the highest degree of safety. It records 58 different device capabilities and reports any system failure reliably. Meaningful text messages are helpful and save valuable time.
- Always informed. Up to 125 devices can be centrally managed and controlled through a bus line (CAN-bus or Ethernet) with mesuREMOTE, the remote control from Mesutronic.



**Easy to install** – The tunnel type metal detector series D feature an upper and lower part that are screwed. This way the tunnel can be separated for installation on the transport system. Alignment bolts ensure that the two tunnel sections are properly positioned after the assembly. The detector is immediately ready for use without the need to re-calibrate. The cable connecting both parts is a plug connection, which saves time and avoids wiring errors.

**A powerful combination** – The choice of the appropriate transportation system is a prerequisite for reliable and trouble free metal detection. PL Machinery are able to offer a wide variety of conveyor systems. The spectrum ranges from small conveyor belts for light plastics to heavy conveyor belts for large shredders.



PL MACHINERY SERVICES & SALES LTD  
UNIT A3/A4 BARTON INDUSTRIAL ESTATE, FALDO ROAD,  
BARTON LE CLAY, BEDFORDSHIRE, MK45 4RP  
TEL: 01582 883666 / EMAIL: [sales@plmachinery.com](mailto:sales@plmachinery.com)

# QUICKTRON 03R

## FREE FALL METAL SEPARATOR



### BULK GOODS INSPECTION IN FREE FALL

- Detects and separates **all metals** as entrapments or loose parts
- Outstanding price / performance ratio
- Ideal standard mill feed cleaning and machine protection solution
- Compact and easy to integrate



**Trouble-free operation:** An antistatic sensor tube prevents electrostatic charges. Modern dual-channel digital technology reliably filters out product effects

**Optimum reliability:** In addition to the key electronic components, the Compressed air supply and valve activation function are also continuously monitored.

**Minimum loss of material:** A durable, long-life, maintenance free pneumatic drive controls the separator point at lightning speed.



**Industrial equipment concept:** A robust sheet steel housing reliably protects all electronic and mechanical components against contamination and damage

**Smooth flow of material:** The right size for all throughput requirements (ø30 – 200mm). No cross section changes in the area of the separator point.



**Convincingly Simple** – Install, connect, finished! Additional adjustments are usually not required. A green indicator lamp on the front of the device indicates that the metal separator is active. Quick verification of functionality is possible by pressing the test button. Faults are indicated visually.

**The concept is the key** – Two essential characteristics of the Quicktron 03R metal separator series are the low installation height and round device connections. The devices can be integrated into the process line with minimum effort.



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TEL: 01582 883666 / EMAIL: [sales@plmachinery.com](mailto:sales@plmachinery.com)