

P-SCAN

Metal detector for installation in pipeline systems
e.g. for free-fall applications, pneumatic conveyor
lines, material columns, pump feed lines

- Detects magnetic and non-magnetic metal contaminations even if such contaminations are embedded in the product
- Reduces costs caused by mould / machine damage and production losses
- Guarantees product quality
- Protects against complaints
- Amortises in a very short time



- Minimum space required for installation due to extremely reduced metal-free zone (RZ technology)
- Can be quickly installed in any position
- Stainless steel construction guarantees high mechanical stability and thus interference resistance
- Improved interference immunity to electromagnetic pollution and vibrations
- High scanning sensitivity for all metals
- Product compensation with auto-teach function or manual setting. Product compensation can thus be individually matched to the product (in conventional systems this setting cannot be changed or can only be changed with great difficulties).
- Preset operating parameters provide outstanding ease of operation

Function:

Metal detector for installation in pipeline systems, e.g. for free-fall applications, pneumatic conveyor lines, material columns that are slowly moving down, or pump feed lines. The metal detector is used for the inspection of bulk materials, fibres, or liquid/pasty products.

It detects all magnetic and non-magnetic metal contaminations (steel, stainless steel, aluminium, ...) – even if such contaminations are embedded in the product.

When a metal is detected, a signalling device or a separation unit can be activated, or a signal can be sent to the process control system.

Series:

P-SCAN RP



Example: P-SCAN RP 60 with assembly unit and scanning pipe*

P-SCAN RS for higher scanning sensitivities



Example: P-SCAN RS 120 with plastic hopper*

Scope of delivery:

- P-SCAN RP: Metal detector with separate detection coil and Control Unit PRIMUS
- P-SCAN RS: Metal detector with separate detection coil and Control Unit SENSITY

Options /accessories:

- Optical and acoustical signalling devices
- Digital metal detection counter
- Plastic hopper
- Assembly unit with scanning pipe
- Button for function tests
- Test piece
- ATEX version

Typical fields of application:

- Plastics industry, in-house recycling
- Recycling industry
- Wood industry
- Chemical industry
- Food industry
- Animal feed industry

Used for:

- Machine protection for mobile granulators, extruders, blow-moulding machines, after dosing units (star feeder, vibration chute)
- Quality assurance, e.g. for the outgoing inspection of new materials, granulates, ground materials, regenerated materials. Used before octabins, big-bag stations, driers, and bagging stations

* The purpose of the assembly unit (separate design of scanning pipe and search coil) and of the hopper with external support is to provide functional stability (avoidance of erroneous detections), i.e. to ensure that vibrations of the product conveying pipe are not transferred to the search coil.