

QUICKTRON 05 R TOUCH

High frequency **Metal Separator** for the examination of free flowing bulk materials in free fall. Fully automatic detection and rejection of metallic contaminants from the product stream without process interruption.



QUICKTRON 05R TOUCH

Inspect bulk materials in free fall



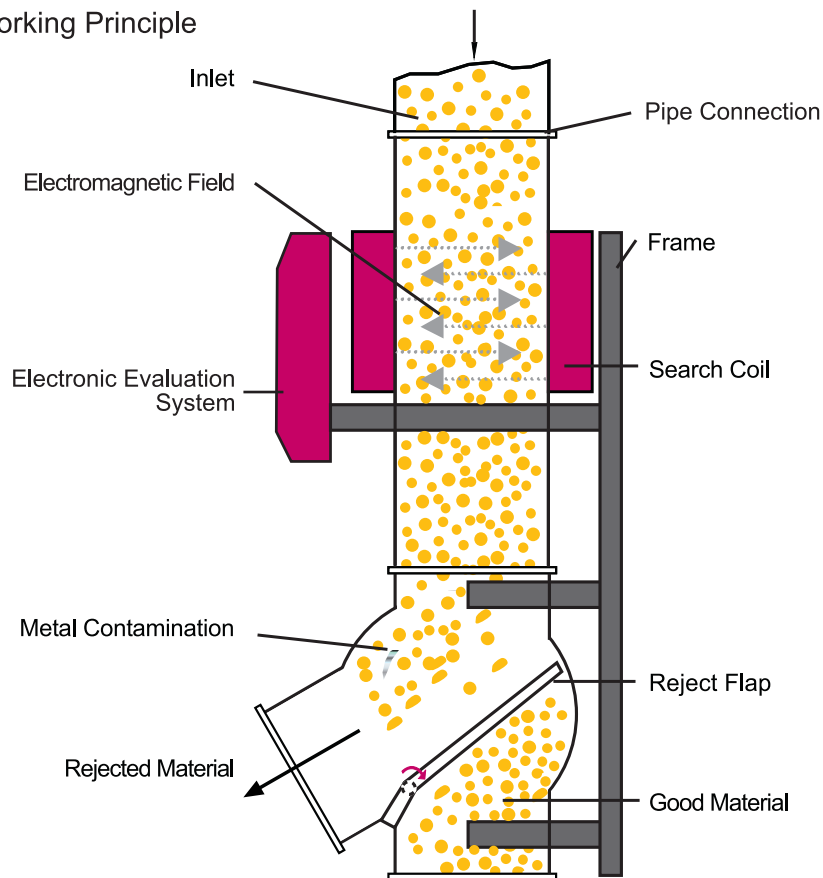
- Open framework with round reject mechanism without critical edges avoids dust and dirt settlement.
- Hygienic and fast cleaning possible due to easy remove of the separating flap complete with shaft or optionally the remove of the complete separating mechanism due to "Quick Out" system, without the need for tools.
- Product contacting parts are made from food grade materials such as Stainless Steel, PP, Silicone and Teflon
- Suitable for all applications and throughputs. Round apertures are available from 50 to 300mm diameter (2 to 12 inches). Standard round, optionally other diameters are available as required.
- The metal detector coil is enclosed by multiple anti-static layers and integrated interferences shield to ensure complete immunity from external interference.
- High sensitivity, even with conductive products due to a powerful electronic evaluation system with automatic product compensation.
- Electronic evaluation system with backlit LCD graphics display, touchscreen operating surface and a clearly arranged menu surface.
- Reliable detection of **all** metals such as ferrous, bronze alloys, stainless steel, etc.
- Detection of free as well as encapsulated metallic contaminants in free flowing bulk materials.
- Expanded system monitoring assures highest reliability. Faults are indicated without delay.
- The electronic evaluation system is available frame mounted or separate from the unit.
- Compact dimensions and low headroom allow for easy integration into production facilities.
- Minimal loss of good material due to a fast reacting, powerful pneumatic drive for the reject gate.

We assure
metal free
products

THE POWER OF METAL DETECTION
MESUTRONIC[®]
Metal detectors and separators

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Working Principle



Sequence of Functions

The electronic metal separators series QUICKTRON 05 R ^{TOUCH} detects and rejects metallic contaminants from free falling bulk materials without interruption of production.

Clean product passes without delay through the metal separator.

A metallic contaminant in the product changes the high frequency field within the detector coil.

The electronic evaluation system generates a switching impulse which activates a reject gate by means of a cylinder and solenoid.

The metallic contaminant is reliably rejected with very little loss of material due to the extremely fast and short deviation of the product stream.

Reject time (dwell time of the reject gate) is adjustable. The dwell time is accumulatively increased in case of several rejects during the set dwell time.

After successful rejection the reject gate returns automatically to its rest position.



Hygienic and fast cleaning possible due to easy remove of separating flap complete with shaft - without any tools