

# quickTRON 07 RH

**METAL DETECTION**

**HIGH SENSITIVITY METAL SEPARATOR FOR THE EXAMINATION OF FREE-FALLING BULK MATERIALS FULFILLS EVEN THE MOST STRINGENT HYGIENE REQUIREMENTS.**

**Reliable** *in Process and Detection*  
**Durable** *in Technology and Performance*  
**Easy** *in Installation and Handling*



## Applications

Quality control (to meet the requirement of ISO 9000 and HACCP)  
 Machinery protection

Hygiene wonder - no inaccessible dirt accumulating pockets due to open frame design and a round eject gate. The quick-out eject gate can be removed and separated from the rest of the unit for cleaning in a few easy steps.

External interferences do not have a chance! The 'power line' detector coil with Interference shield has several layers of shielding and does not require a plastic sensor pipe. The pipe Connections of the detection coil are welded onto the detector housing. Since there are no openings to the outside, external interferences cannot reach the sensing field inside the detector.

Compact construction and low profile guarantee a seamless integration into any production process. Design flexibility: depending upon the installation choose between the detector type with an integrated electronics cabinet or separate electronics housing. The pneumatic actuated reject gate is rugged, reliable and fast reacting.

The extended system monitoring guarantees maximum reliability. Aside from the major electronic components the air supply and the reject gate are continuously monitored. Any type of fault is reliably indicated in real time.

## WORKING PRINCIPLE

The quickTron 07 RH series electronic metal separators automatically detect and reject metallic contaminants from freefalling bulk materials without interrupting production.

Clean product passes freely through the metal separator. A contaminant in the product stream alters the high frequency field generated by the detection coil. The electronics evaluate this signal and generate an impulse for the solenoid valve and the double actuating air cylinder that operate the eject flap.

The contaminant is instantly diverted from the good product stream assuring minimal good product loss.

The eject time is adjustable. In the case of several metal particles being present, the reject time will be extended accordingly, to assure a metal free product.

The reject flap returns automatically to its normal position after a successful metal rejection event.

