



# quickTRON 05A

## METAL DETECTION

**HIGH SENSITIVITY METAL SEPARATOR FOR THE INSPECTION OF FREE FLOWING GRAVITY FED BULK MATERIALS SUCH AS GRAIN, FEED, GRANULATES, POWDERS**

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



- The QuickTron is easily integrated into existing installations thanks to low overall height and compact dimensions.
- The open frame construction allows unrestricted accessibility to all components for easy cleaning
- A variety of models to suit all applications and throughputs.
- Round apertures from 50 to 300mm, as well as square or rectangular openings are available.
- The electronics are mounted to the frame, remote mounting of the electronics is available, if desired.

### Applications

Product Inspection

Machinery protection e.g. Mills, Mixer, Kneader, Extruder and more

### **WORKING PRINCIPLE**

- The Quicktron series electronic metal separators automatically detect and reject metallic contaminants from free falling bulk materials.
- Clean product passes freely through the reject assembly. A contaminant in the product stream alters the high frequency field generated by the search coil.
- The electronics evaluate this signal and generate an impulse for the solenoid valve and double actuating air cylinder of the reject assembly. The contaminant is instantly diverted from the good product stream assuring minimal good product loss.
- The reject 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 successful metal rejection event.

