

quickTRON 03R

METAL DETECTION

FRAME MOUNTED METAL SEPARATOR FOR THE INSPECTION OF GRAVITY FED BULK MATERIALS

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



- Built for purpose
- Compact dimensions and design, round ports allow for an easy and trouble free intergration into the existing process. Quick and efficient installation
- Designed for all applications and throughputs. Apertures from: 30 - 200mm (1 ¼" - 8.0") available
- Anti-static sensing tube - prevents static buildup in and near the sensing tube. False rejects due to static discharge are avoided
- Product effect compensation - guarantees continuous sensitivity and trouble free operation even with 'difficult' products.
- 'Product effect' cannot create false rejects
- Self monitoring - in addition to the detection unit (coil and electronics) the operating pressure and reject function (option) are permanently monitored as well. Malfunctions are indicated!

Applications

Quality control (to meet the requirements of ISO9000 and HACCP)
 Assurance of metal free granulates and pellets

WORKING PRINCIPLE

- The quickTron series electronic metal separators automatically detect and reject metallic contaminant from free falling bulk materials.
- Clean product passes freely through the reject assembly
- A contaminant in the stream alters the high frequency field generated by the search coil
- The electronics evaluate this signal and generate an impulse for the solenoid and the double actuating air cyclinder 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

