

...THE LEADING EDGE IN METAL DETECTION

MESUTRONIC®

The New number one

of the standard metal separators

QUICKTRON 03 R Precision Line

For the metal detection of free flowing bulk materials.

Removal of metallic contaminants from Bulk materials has traditionally been accomplished by employing Free fall Metal separators.

Metal separators protect downstream production equipment such as extruders or are installed after size reduction equipment to assure a metal free granulate.

For economic reasons, these separators normally use a detection unit that works on the oscillator principle. The sensitivity of these units is in principle sufficient, but can

seldom be used to its fullest, since product effect can cause false rejects. Product effect is caused by additives and fillers such as graphite, metallic oxides, humid or wet material. These materials are highly conductive and create a distortion of the sensing field when passing thru the sensing coil, even though they are non-metallic. Erroneous rejects cause an unwanted loss of good material and lead the operator to reduce the sensitivity. For this reason many metal separator manufacturers deliver their units with a sensitivity that is only 70%-80% of

the stated or maximum obtainable value in order to avoid these false rejects.

These issues have been successfully solved.

Beginning immediately, Mesutronic offers metal separators that operate on the sender/receiver principle. This system is technically more elaborate, but allows for automatic product effect compensation. This guarantees excellent sensitivity and optimum operating parameters.



Quick Mount

Compact construction and round material ports assure ease of installation.

Quick and efficient installation.



Self monitoring

The unit monitors the air pressure and reject functions as well as the detector itself. An auto test button is standard.

Malfunctions are indicated!



Produkt effekt compensation



Optimum, consistent sensitivity combined with great accuracy even with "difficult" products.

"Product effect" does not create false - rejects.

Additional features:

- Automatic balancing of the electronic components
- Temperature compensation
- Multi-function EMFI filters
- Optical status and fault indicators
- And more

Throat diameters:

Ø 30, 50, 70, 80, 100, 120, 150, 200 mm
(other diameters on request)