

## ELCON

# Plate type metal detector for installation in conveyor belts and material chutes

- Detects magnetic and non-magnetic metal contamination, even when enclosed in product
- Reduces expensive machinery failure and minimises production downtime
- Ensures product quality
- Prevents customer complaints
- Break even within a very short period of time



- To analyse smalls and bulk materials with material height up to 100 mm
- Flat design enables simple integration in conveyor belts and production lines
- No metal free zone
- Easy installation, detector plate can be used as belt gliding plate
- Pre-installed parameters simplify operation
- Auto-Set (auto-teach function) or manual product compensation (no fixed setting) for improved adaptation to the intrinsic conductivity of the product to be inspected
- Increased signal-to-noise-ratio towards electromagnetic pollution, vibrations and conveyor belt distortion



*Installation example: Machinery protection. Plate type metal detector ELCON installed on the conveyor belt leading to the granulator. (old version)*

### Additional Performance Features:

- High scanning sensitivity to all metals
- Display of system parameters with LCD full-graphic module, operation with membrane keys
- Product memory for ten products, three of which are preset
- Maintenance free electronic, no readjustment necessary
- Integrated logbook
- Password protection can be set individually

### Product Description:

The single-face metal detector ELCON is used to inspect smalls and bulk materials on conveyor belts or material chutes, preferably of low material height.

It detects all magnetic and non-magnetic metal contaminations (steel, stainless steel, aluminium) – even if enclosed in the product.

On detection of metal, a signal device and a separation system can be activated or a signal can be send to process controlling.

### Scope of Delivery:

- Plate type metal detector ELCON
- Control Unit PRIMUS+

### Options/Accessories:

- Optical and acoustic signal system
- Digital incident counter
- Conveyor stop and turning prevention control
- UL/CSA Certification
- Further options on request

### Typical Application Areas:

- Plastics industry, In-house recycling
- Chemical industry
- Wood industry

### Application:

- Machinery protection for granulators, shredders, hocks, crushers, calenders and many more