



# ELS

## 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
- The sturdy and solid design guarantees high noise immunity
- High scanning sensitivity to all metals
- Simple integration in conveyor belts and production lines
- Pre-installed parameters simplify operation
- Learn automatic or manual product compensation (*not* pre-adjusted) to improve adaption to product and conveyor belt conductivity
- Increased signal-to-noise-ratio towards electromagnetic pollution, vibrations and conveyor belt distortion



*Plate type detector ELS analysing wood off-cuts*

### Product Description:

The single-layer, single-face ELS detector is used for examining individually packed products and bulk materials on a conveyor belt or a material chute, preferably with a 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 sent to process controlling.

### Additional Performance Features:

- Machinery parameters shown on eight LEDs; operated through three control buttons, a reset and a test starter
- Adjustable metal impulse and delay times
- Product memory for eight products, three products pre-installed
- Maintenance free electronic, no readjustment necessary

### Scope of Delivery

- Plate type detector ELS
- Control Unit PRIMUS

### Options/Accessories:

- Optical and acoustic signal system
- Digital incident counter
- Conveyor stop and turning prevention control
- Control units SENSITY for higher scanning sensitivity
- UL/CSA Certification
- Further options on request

### Typical Application Areas:

- Plastics industry, In-house recycling
- Recycling industry
- Wood industry
- Chemical industry
- Textile industry
- Building Industry (building-stone-earth industry)

### Application:

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

If you need more detailed information ask for our technical data sheet or a discussion with our experienced S+S Sales team.