



# PLASTICON

Conveyor belt systems for the protection of comminution machines such as cutting mills, shredders, etc.

- Detects magnetic and non-magnetic metal contaminations even if such contaminations are enclosed in the product
- Reduces costs caused by machine damage and production losses
- Guarantees product quality
- Protects against complaints
- Amortises in a very short time



- Special conveyor belt in sturdy, welded steel profile construction designed for the demands of recycling plants
- Conveyor belt made according to the latest state-of-the-art in metal detection technology and designed to guarantee a high scanning sensitivity
- Highest quality with respect to material and professional workmanship; state-of-the-art metal detection technology guarantees a long, reliable and thus trouble-free operation
- Suitable for the installation of S+S tunnel or plate-type detectors
- Conveyor belt height-adjustable at the infeed and out-feed side for improved adaptation to local conditions
- Complete solution (operation responsibility) from one source
- Benefit from the wide experience of a metal detector and conveyor belt manufacturer



### Function:

In plastics-processing plants conveyor belts with integrated metal detectors are used for the protection of comminution machines such as cutting mills, shredders, etc..

The conveyor belt systems of the PLASTICON series have been specifically designed and built for this purpose. The PLASTICON system inspects piece goods or bulk materials (moulded parts, blow-moulded parts, reject parts, sprues, etc.) for metal contaminations. Lateral guides with brush seals prevent small parts from getting under the conveyor belt. When a metal is detected the conveyor belt is stopped or reversed. Metal detectors of model series ELS, DLS, or GLS for PLASTICON-XL and ELCON for PLASTICON-S can be used depending on the required scanning sensitivity and on the height of the material on the belt.

Of course the PLASTICON series also is suitable for similar applications in other branches of industry.

### Accessories / options for PLASTICON:

- Conveyor belt controller for belt stop or reverse operation
- Conveyor belt controller with frequency converter for adjustable conveying speed
- Feed hopper
- Mobile conveyor belt (two steering wheels and two fixed wheels)
- Various belt versions
- Sealing of the discharge roller
- Belt stripper
- Discharge chute

### Accessories / options for metal detector:

- Optical and acoustical signalling devices
- Control Unit SENSITY for higher scanning sensitivity

### Scope of delivery:

- PLASTICON-XL/-S series conveyor belt
- Metal detector type according to application

### Typical fields of application:

- Plastics-processing industry
  - Central mills
  - Storage / production
  - In-house recycling
- Recycling industry
- Chemical industry

### Used for:

- Machine protection for comminution machines, cutting mills, shredders, etc.
- Quality assurance, inspection of bagged goods, injection-moulded parts, etc.