



**Metal detectors**  
For more than mere  
equipment protection

**Guaranteed safe –  
Quality control and equipment protection for your benefit – simple, economical, dependable**

Sartorius metal detectors serve diverse branches of industry: chemicals, plastics, recycling, rubber, wood, textiles, nonmetallic minerals, power generation, mining, tobacco, clay and foods.

While the food industry gives maximum priority to consumer protection, most other branches of industry attach more importance to protecting their expensive production equipment from damage and their personnel from injury. Like our very successful DISCOVERY, DISCOVERY PLUS and the new OBSERVER series, the alternatives dealt with here provide equipment protection to the satisfaction of our "habitually" high standards.

**Evaluation electronics**

**Search coils**

**Premium model:  
Electronic evaluator, EMS 218**



- Multi-channel technology
- Microprocess-oriented
- Flexible phase adjustment
- Menu-driven operation
- Continuous self-test
- 40 product-type memory locations
- 100% traceable documentation
- Advanced internal function control

**Standard model:  
EMS 115**

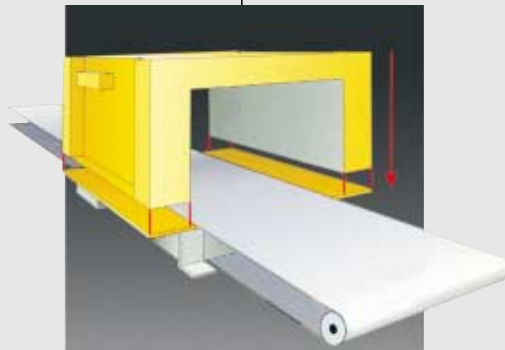


- Extra-economical single-channel unit
- Microprocessorized
- Manual phase adjustment
- Extremely simple function-key operation
- Internal function control

**EL|ELr**  
This EL|ELr search coil in a fall-shaft assembly with diverter-valve ejector protects grinding mills, kneaders, rollers and extruders. Its typical areas of application include the plastics, chemicals and food industries.

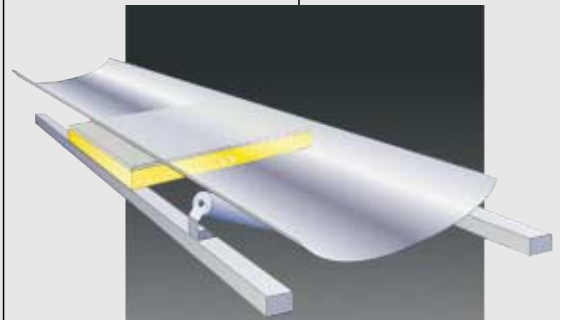
**EL**  
An EL search coil with conveying belt enables maximum accuracy of detection, even for large clear heights. It protects processing equipment in the chemicals, textiles and chipboard sectors.

**ELr**  
These made-to-measure ELr round gates for merchantable bowls and logs in the timber industry are also used in pneumatic conveying systems serving the textile industry.



**EQa**

EQa search coils offer all the advantages of dependable detection coupled with ease of installation, thanks to a split detector requiring no dismantling of the belt to install it.



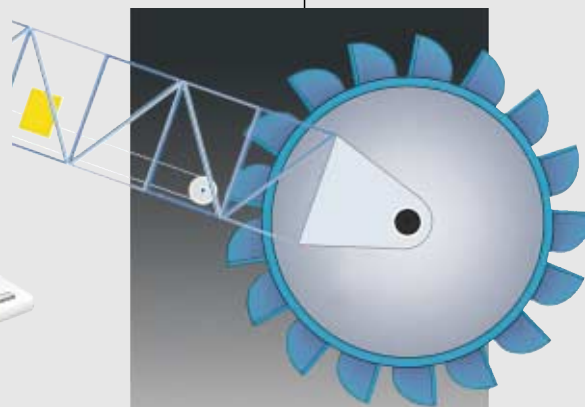
**EPS|EPB**

The underbelt coil EPS|EPB, with its particular ease of installation and good detection sensitivity, guarantees an optimal value-for-money ratio.



**EQa**

An EQa search coil protects downstream mills and crushers from the dreaded risk of damage in the recycling, plastic, chemical, tobacco, clay and wood industries.

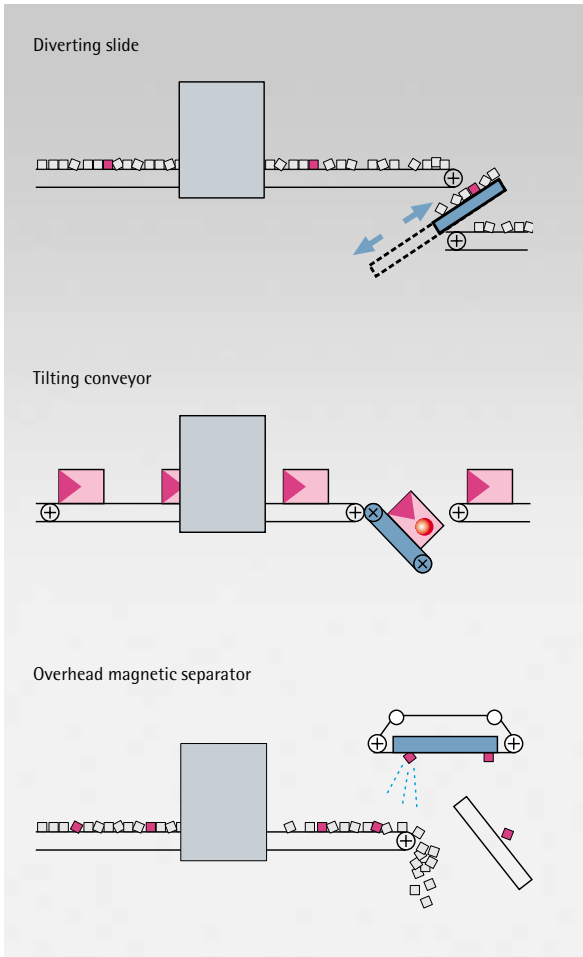


**ELst|ELIt**

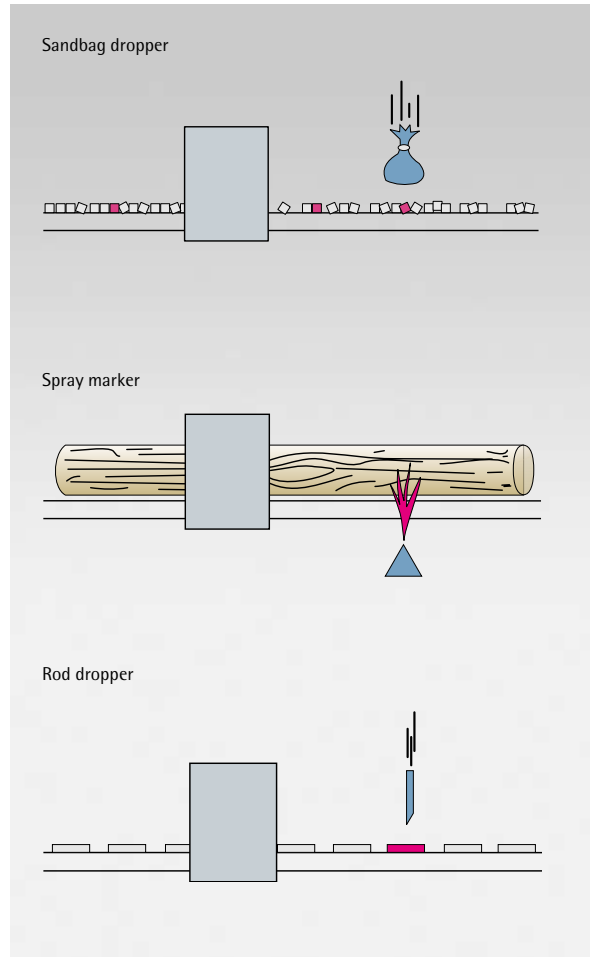
Our huge ELst and ELIt search coils are designed for use in open-pit mines, power plants, mining and the timber industry, where they protect excavators, grinding mills, chippers and crushers.

# System components – In harmony with your production line

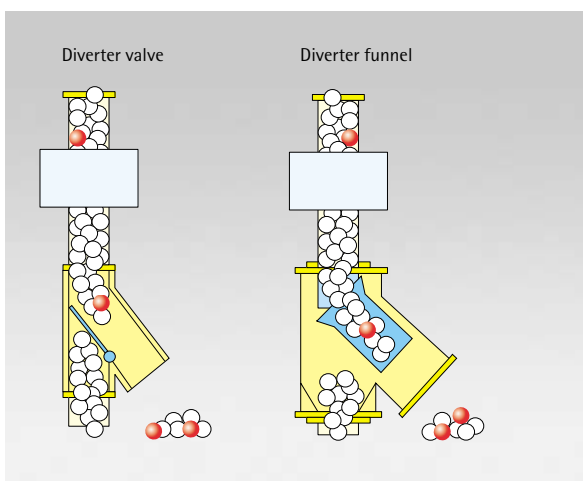
## For lumpy material and bulk goods



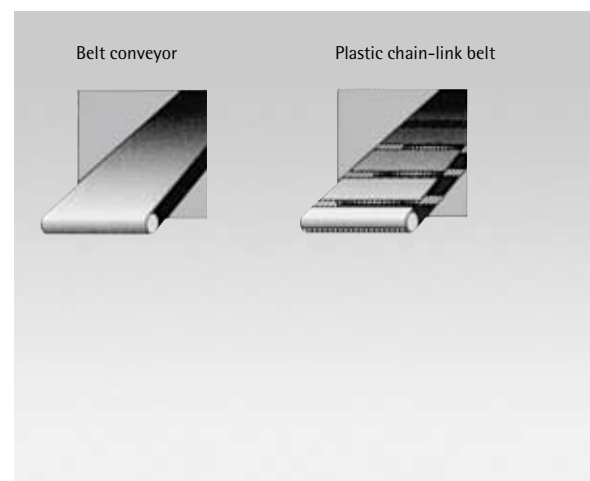
## Marking



## For free-flowing products



## Conveyors





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