Secus® – Metal Detection Technology
The Highest Level of Equipment Protection
A Strong Partner at Your Side

The Sartorius Group is a leading international laboratory and process technology provider with three divisions: Bioprocess Solutions, Lab Products & Services, and Industrial Technologies (also known as Intec).

Sartorius Intec offers a comprehensive range of products for the entire manufacturing process of its customers, from receiving incoming goods to releasing outgoing goods. The range covers platform scales, process vessel and silo load cells, right through to checkweighers and equipment for the detection of foreign bodies. Our strong R&D capacities, which include software development, have helped us carve a leading position for ourselves in the technology market for various product divisions. Furthermore, our global sales, service, and production locations provide our customers with optimal service and support on an international scale.

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Secus® Metal Detection Technology

- over 70 years on the market and undergoing constant development
- efficient and effective protection of your equipment
- has a number of interfaces for integration in your production system
- lots of application possibilities in heavy industry
- highest possible detection sensitivity
Quality Control and Equipment Protection for Your Benefit

Sartorius metal detectors are used in various industries: chemicals, plastics, recycling, rubber, wood, textiles, stone and soil, power plants, mining, tobacco, and clay.

The protection of expensive production equipment and of employees is the top priority in heavy industry. In addition to the very successful systems from the Vistus®, Observer, and x-ray inspection model ranges, the metal detection solutions listed here also fulfill the task of foreign body detection for equipment protection to the highest level.

Different Designs Allow for Perfect Integration into Your Production Process

**Secus® C** The standard coil ensures maximum sensitivity. Also available in larger sizes.

**Secus® D** The divisible coil can be installed around existing conveyor belts without separating them.

**Secus® U** The under-belt coil is positioned beneath the conveyor belt.

**Secus® D**
The Secus® D search coil provides all the advantages of a high degree of detection sensitivity, and thanks to the divisible search head, is easy to install without separating the conveyor belts. The Secus® D protects downstream machines, such as mills and crushers, from damage caused by metal foreign bodies.
Secus® C:
The Secus® C search coil achieves maximum detection accuracy even with larger aperture ranges and has the highest degree of detection sensitivity in its range. The Secus® C can also be integrated in a fall shaft application with a pipe flap rejector.

Secus® U
The particularly easy integration of the Secus® U under-belt coil under the conveyor belt achieves the optimal price|performance ratio and a high degree of detection sensitivity at the same time.

Secus® Evaluation Electronics
- Two-channel technology for the accurate elimination of product effect
- Microprocessor-controlled for maximum performance
- Manual and automatic phase setting for achieving excellent detection sensitivities
- Extremely easy operation using function keys
- Internal "fail-safe" function monitoring for maximum safety
- Wide variety of interfaces
Precisely Tailored to Meet Your Needs

Secus® metal detection technology from Sartorius makes it possible to detect contaminated products early, and reliably separate them from the production process. We are happy to provide advice on how our wide range can be used to create a customized solution for you.

Rejection of Faulty Packaged or Bulk Products

**Rocker Belt**
Mechanical separation of contaminated products using rocker|swivel arms or rejection slides. This component is especially suitable for packaged products.

**Sandbag Marker**
Marking of contaminated products as an alternative to mechanical separation. Contaminated products are marked with a color label or sandbag.

**Overhead Magnetic Separator**
Electromagnetic separation of contaminated products. This component is especially suitable for magnetic foreign bodies in bulk products.
Our Product Range

Sartorius Intec offers a comprehensive product range for your production process. The range includes platform scales, components for silo and process vessel weighing, checkweighers, foreign body detectors, and software solutions for quality assurance. Around the world our dedicated team of sales & service experts are available to advice & support you.

- **Load Cells & Mounting Kits**
  - For bench and floor scales
  - For truck scales
  - For silos & process vessels
  - Accessories

- **Bench & Floor Scales**
  - Complete scales
  - Weighing platforms
  - Floor scales
  - Hazardous area scales

- **Weighing Electronics**
  - Scale indicators
  - Process indicators
  - Process controller
  - Process transmitter
  - Hazardous area terminals

- **Process Software**
  - Statistical process control
  - Batching|recipe software
  - Software tools

- **Checkweighers**
  - In-line
  - End-of-line
  - Combination systems
  - Beltweighers

- **Foreign Body Detectors**
  - X-ray inspection systems
  - Metal detectors

- **Service**
  - Training courses & seminars
  - Spare parts and consumables
  - Performance optimization
  - Installation and commissioning
  - Repair and corrective maintenance
  - Hotline support
  - Local service

www.sartorius-intec.com
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