

Secus<sup>®</sup> – 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.

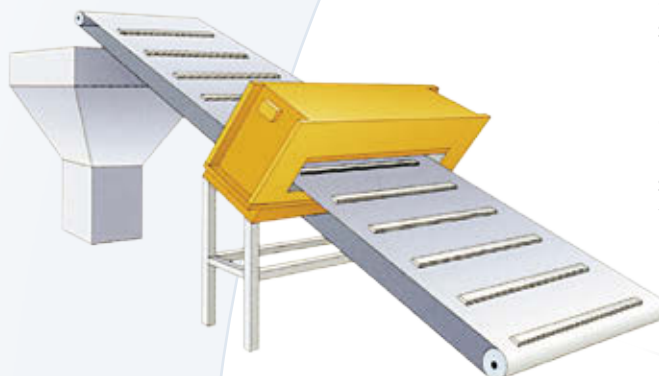
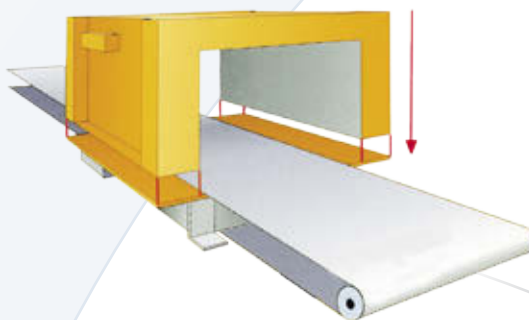
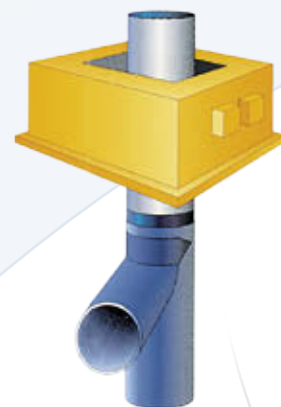
The protection of expensive production equipment and of employees is the top priority in heavy industry. In addition to the very successful systems from the Vistus®, Observer, and x-ray inspection model ranges, the metal detection solutions listed here also fulfill the task of foreign body detection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

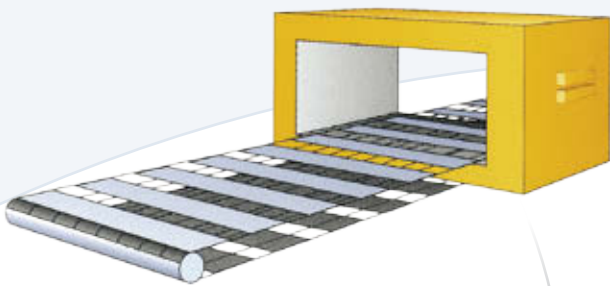
**Secus® U:** The under-belt coil is positioned beneath the conveyor belt.



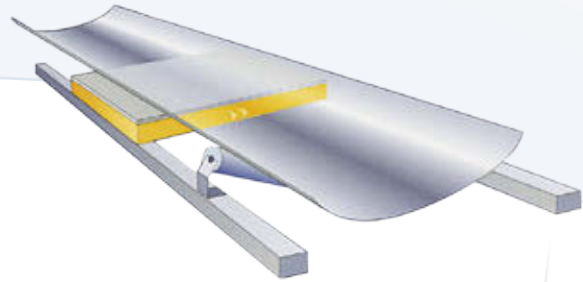
### ► Secus® D

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<sup>®</sup> Search Coils: Tailored to Your Process



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► **Secus<sup>®</sup> C:**  
The Secus<sup>®</sup> 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<sup>®</sup> C can also be integrated in a fall shaft application with a pipe flap rejector.



- ▼  
**Secus<sup>®</sup> U**  
The particularly easy integration of the Secus<sup>®</sup> 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<sup>®</sup> 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

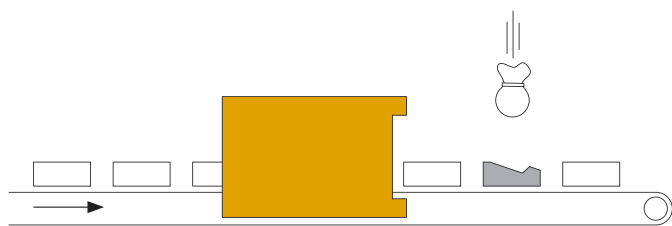
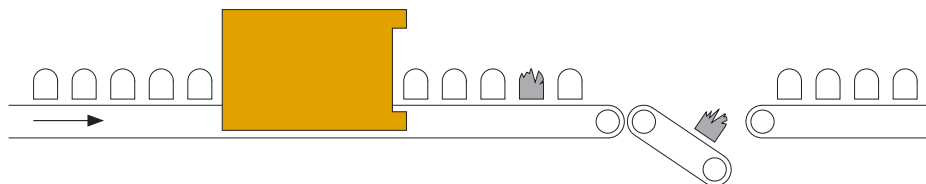
Secus® metal detection technology from Sartorius makes it possible to detect contaminated products early, and reliably separate them from the production process. We are happy to provide advice on how our wide range can be used to create a customized solution for you.

### Rejection of Faulty Packaged or Bulk Products



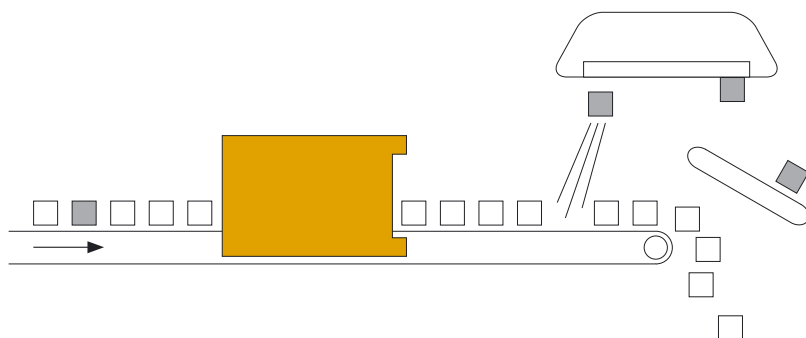
#### Rocker Belt

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



### Process Software

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



### Bench & Floor Scales

- Complete scales
- Weighing platforms
- Floor scales
- Hazardous area scales



### Checkweighers

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



### Weighing Electronics

- Scale indicators
- Process indicators
- Process controller
- Process transmitter
- Hazardous area terminals



### 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





# Sales and Service Contacts for Sartorius Intec

For contacts in other countries that are not mentioned below, please visit [www.sartorius-intec.com](http://www.sartorius-intec.com) or contact us.

## Europe

### Germany

Sartorius Industrial Scales GmbH & Co. KG  
Leinetal 2  
37120 Bovenden  
Phone +49.551.308.0  
Fax +49.551.309.83.190

[info.mechatronics@sartorius.com](mailto:info.mechatronics@sartorius.com)  
[www.sartorius.com](http://www.sartorius.com)

Sartorius Mechatronics C&D GmbH & Co. KG  
Am Gut Wolf 11  
52070 Aachen  
Phone +49.241.1827.0  
Fax +49.241.1827.213

Sartorius Mechatronics T&H GmbH  
Meiendorfer Strasse 205  
22145 Hamburg  
Phone +49.40.67960.303  
Fax +49.40.67960.383

### Austria

Sartorius Intec Austria GmbH  
Franzosengraben 12  
1030 Vienna  
Phone +43.1.7965760.0  
Fax +43.1.7965760.24  
[industrie.austria@sartorius.com](mailto:industrie.austria@sartorius.com)

### Belgium

Sartorius Intec Belgium BVBA  
Leuvensesteenweg, 248/B  
1800 Vilvoorde  
Phone +32.2.756.06.71  
Fax +32.2.253.45.95  
[info.belgium@sartorius.com](mailto:info.belgium@sartorius.com)

### France & Suisse Romande

Sartorius Intec France S.A.S  
Parc d'affaires Technopolis –  
L.P.: 853 Bâtiment SIGMA –  
RDC 3 Avenue du Canada  
91940 Les Ulis, France  
Phone +33.1.6919.2100  
Fax +33.1.6920.0922  
[internet.france@sartorius.com](mailto:internet.france@sartorius.com)

### Ireland

Sartorius Ireland Ltd.  
Unit 41, The Business Centre  
Stadium Business Park  
Ballycoolin Road  
Dublin 11  
Phone +353.1.8089050  
Fax +353.1.8089388  
[info.ireland@sartorius.com](mailto:info.ireland@sartorius.com)

### Italy

Sartorius Intec Italy S.r.L.  
Viale A. Casati, 4  
20853 Muggiò (MB)  
Phone +39.039.46591  
Fax +39.039.465988  
[mecsales.italy@sartorius.com](mailto:mecsales.italy@sartorius.com)

### Netherlands

Sartorius Intec Netherlands B.V.  
Department Industrial Weighing  
Phone +31.30.602.5030  
Fax +31.30.602.5035  
[info.nl@sartorius-intec.com](mailto:info.nl@sartorius-intec.com)

### Poland

Sartorius Intec Poland sp. z o. o.  
ul. Wrzesinska 70  
62-025 Kostrzyn  
Phone +48.61.6473830  
Fax +48.61.6473839  
[pow.pl@sartorius.com](mailto:pow.pl@sartorius.com)

### Russia

"SARTOGOSM" CJSC  
ul. Rasstannaya, 2, kor.2, lit. A  
192007 St. Petersburg, Russia  
Phone +7.812.380.25.69  
Phone +7.812.380.25.62  
Fax +7.812.380.25.62  
[web@sartogosm.ru](mailto:web@sartogosm.ru)

### Spain

Sartorius Intec Spain S.L.  
Offices in Madrid:  
C/ Isabel Colbrand, 10-12, of. 70  
28050 Madrid  
Phone +34.90.212.33.67  
Fax +34.91.358.84.85  
[spain.weighing@sartorius.com](mailto:spain.weighing@sartorius.com)

### Switzerland

Sartorius Mechatronics Switzerland AG  
Ringstrasse 24a  
8317 Tagelswangen (ZH)  
Phone +41.44.746.50.00  
Fax +41.44.746.50.50  
[mechatronics.switzerland@sartorius.com](mailto:mechatronics.switzerland@sartorius.com)

### U.K.

Sartorius Intec UK Ltd.  
Longmead Business Centre  
Blenheim Road, Epsom  
Surrey KT19 9QQ  
Phone +44.1372.737102  
Fax +44.1372.729927  
[uk.customerservice@sartorius.com](mailto:uk.customerservice@sartorius.com)

## America

### USA

Sartorius Intec USA Inc.  
5 Orville Drive, Suite 200  
Bohemia, NY 11716  
Phone +1.631.254.4249  
Toll-free +1.800.635.2906  
Fax +1.631.254.4253  
[wt.sales@sartorius.com](mailto:wt.sales@sartorius.com)

### Argentina

Sartorius Argentina S.A.  
Int. A. Avalos 4251  
B1605ECS Munro  
Buenos Aires  
Phone +54.11.4721.0505  
Fax +54.11.4762.2333  
[sartorius@sartorius.com.ar](mailto:sartorius@sartorius.com.ar)

### Brazil

Sartorius do Brasil Ltda  
Avenida Senador Vergueiro 2962  
São Bernardo do Campo  
CEP 09600-000 - SP- Brasil  
Phone +55.11.4362.8900  
Fax +55.11.4362.8901  
[sartorius@sartorius.com.br](mailto:sartorius@sartorius.com.br)

### Mexico

Sartorius de México S.A. de C.V.  
Circuito Circunvalación Poniente  
No. 149  
Ciudad Satélite 53100  
Estado de México, Mexico  
Phone +52.55.5562.1102  
Fax +52.55.5562.2942  
[sartorius@sartorius.com.mx](mailto:sartorius@sartorius.com.mx)

## Asia | Pacific

### China

Sartorius Scientific  
Instruments (Beijing) Co. Ltd.  
33 Yu An Road, Airport Industrial Park  
Zone B,  
Shunyi District, Beijing 101300,  
P.R.China  
Phone +86.10.8042.6555  
Fax +86.10.8042.6486  
[ssil@sartorius.com](mailto:ssil@sartorius.com)

### India

Sartorius Mechatronics India Pvt. Ltd.  
#69/2-69/3, Jakkasandra,  
Kunigal Road, Nelamangala Tq  
Bangalore - 562 123  
Phone +91.80.4350.5250  
[mechatronics.india@sartorius.com](mailto:mechatronics.india@sartorius.com)

### Japan

Sartorius Intec K.K.  
4F Daiwa Shinagawa North Bldg.  
8-11, Kita-Shinagawa 1-chome  
Shinagawa-ku  
Tokyo 140-0001  
Phone +81.3.3740.5174  
Fax +81.3.3740.5406  
[info@sartorius.co.jp](mailto:info@sartorius.co.jp)

### Philippines

Sartorius Mechatronics Philippines Inc.  
Unit 20-A The World Centre Building  
330 Senator Gil Puyat, Makati City  
Philippines  
Phone +632.864.0929  
Fax +632.864.0932  
[enquiry.philippines@sartorius.com](mailto:enquiry.philippines@sartorius.com)

www.sartorius-intec.com

