

WE catch THEM ALL

with **sherlock**
observer



FOOD SAFETY FIRST – no compromise! This was the guiding principle behind the development of the SHERLOCK OBSERVER.

OBSERVER

Sherlock watches your product stream like a hawk and thanks to Chemical Imaging Technology (**CIT®**) is able to detect the smallest deterioration in quality as well as any foreign bodies. Analysis of the entire near infrared spectrum allows the chemical composition of objects to be analyzed in-line and in real time, irrespective of color, shape, surface or specific weight. CIT in combination with Insort's Safeguard Drop Gates make the Sherlock Observer the most efficient and reliable solution for detecting and removing foreign materials on any type of bulk food products.

All types of foreign bodies, whether they are wood, hard plastic, soft plastic, foil, rubber, stone, glass, metal, insects, animal bodies, twigs, stalks, fragments of stone and much more are safely separated from acceptable products on the basis of chemical composition.

The Sherlock Observer can also be equipped with all the functions of the Sherlock Food Analyser and provide valuable quality data on your incoming and outgoing products or be used for in-line process control (e.g. dry matter measurement, fat content measurement or rancidity).

APPLICATION EXAMPLES



- Detection of foreign bodies
- 2-way sorting
- Safeguard drop gate system
- Size statistics

- Defect statistic
- Remote access
- Optional foreign body traceability
- Optional sensor object-fusion

- Optional integrated quality monitoring
- Optional integrated peel scanner

SAFEGUARD DROP GATE SYSTEM

The Insort Safeguard Drop Gate System enables you to permanently divert your acceptable product stream. Foreign bodies are dropped down through a trapdoor. No active mechanical touch needs to be applied to foreign bodies to remove them from the product stream, which guarantees that removal is highly reliable. Difficult objects such as large or heavy stones or metal parts, and very light parts such as plastic film, cardboard and paper are also removed reliably. Depending on size and location of the foreign materials the system will automatically open one or multiple drop gates and adjust the opening time.



**CHEMICAL
IMAGING
TECHNOLOGY**

AUSTRIA - HEADQUARTER

- ☎ +43 3115 21 786
- 📍 Berndorf 166,
A-8324 Kirchberg/Raab
- ✉ office@insort.at

INSORT INC. CANADA

- ☎ +1 416 291 9229 ext. 270
- 📍 141 Reach St. Unit 5A, Uxbridge
ON L9P 1L3, Canada
- ✉ office@insort-inc.com

INSORT INC. USA

- ☎ +1 559 930 4627
- 📍 2484 Acme Ct., Turlock
CA 95380, USA
- ✉ office@insort-inc.com