BETTER safe THAN SORRY

with sherlock safeguard

Sherlock Safeguard offers the most versatile inspection technology that combines uncompromising food safety with automation and product quality monitoring in one device.

CIT®

www.insort.at

insort
intelligent selection

We Change The Game!

The new generation of Chemical Imaging Technology (CIT®) is years ahead of current standards. We make the invisible visible. Inline and in real time.

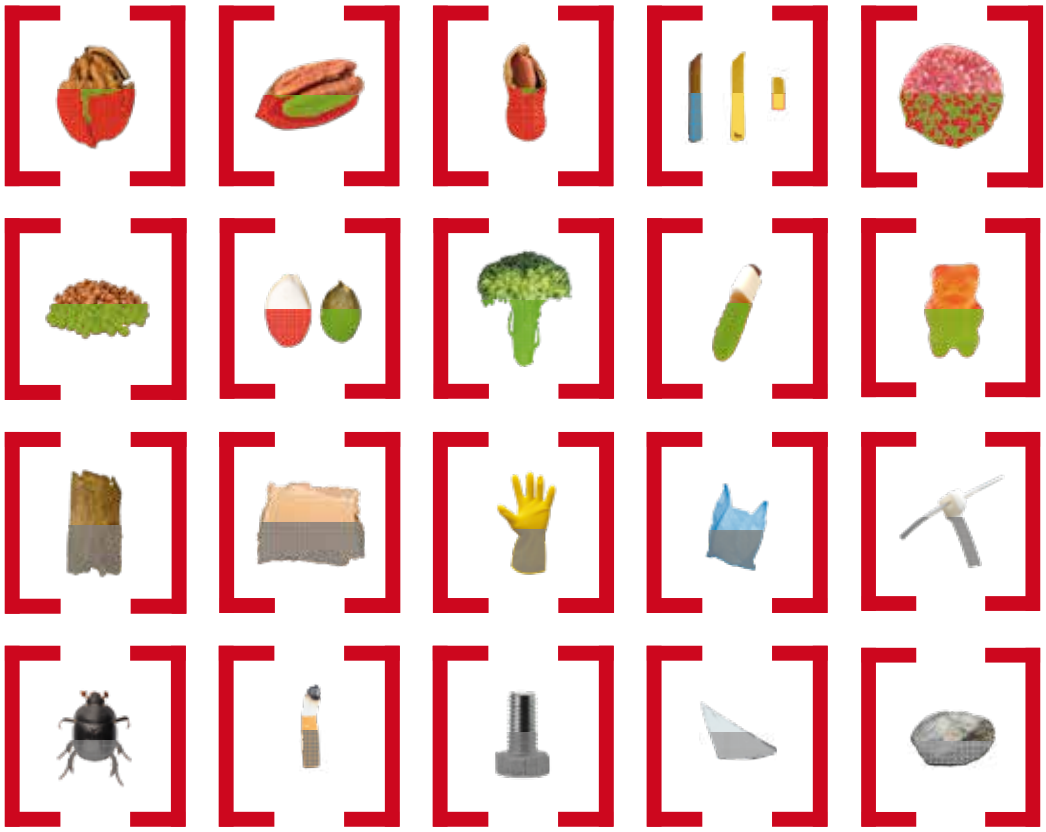
The high precision, advanced Chemical Imaging Technology (CIT® Gen3) is a real novelty in the optical sorting and monitoring of food. With the latest generation of hyperspectral cameras – developed specifically for Insort – full spectrum real-time analysis is even more precise.
Combined with high resolution cameras and optional conductivity sensors, the Sherlock Safeguard classifies food based on chemical composition, color, shape, pattern, conductivity and much more. This results in unprecedent performance of detecting ALL foreign material – organic or inorganic – at the lowest possible product loss. The Zero Touch Reject Technology ensures maximum safety in removing the detected foreign material.

It's not just a sorter. It's your FOOD SAFETY GUARANTEE.

Learn more

WE catch THEM ALL

Any bulk food product. Any critical defect. Any foreign material - organic or inorganic. We are ready to take on any challenge and look forward to speaking to you about your requirements.



Chemica Imging Technology

CIT® Gen3 - The Most Advanced Sensor Technology

Thanks to the latest generation of Chemical Imaging Technology (CIT® Gen3) in combination with high-resolution color cameras, both the smallest foreign bodies and all product defects can be sorted out with unprecedented accuracy.

CIT's chemical inspection capabilities brings us to new levels and possibilities of product inspection compared to any other optical eye out there such as lasers, various amount of cameras or Xray. Where other optical eyes focus on trading off the amount of bad in good vs good in bad; CIT's approach is seeing and removing it with the highest reliability of the industry, no matter what product or defect and this at consistent levels even if there are seasonal product changes or product variety changeovers. CIT does not need any operator to constantly be monitoring and keeping the machine in balance.

Artificial Intelligence

Applied in Real–Time

Sherlock HYPERNOVA revolutionizes the sorting process, employing artificial intelligence through the most sophisticated Deep Neural Networks to inherently detect, learn, process, and optimize data in real time. This enables the identification of even the minutest defects visible, as well as those imperceptible to the human eye, with unparalleled speed, allowing for their removal from high-speed product streams. This groundbreaking technology unveils new horizons of applications and performance tiers for food processors, setting a new paradigm in precision and efficiency.

InlineFOODLAB 4.0

The Best Support For Your Quality Management

InlineFOODLAB 4.0 transforms product analysis by providing precise, real-time chemical and quality data. It enables accurate detection of critical metrics like dry matter in potatoes, rancidity in nuts, amygdalin in almonds, oil content in pumpkin seeds, and Brix levels in fruit, alongside analyses of color, shape, size, and foreign materials with image documentation. This enables quality managers to precisely control raw material and final product quality, minimize rework and claims, and prevent recalls more effectively.

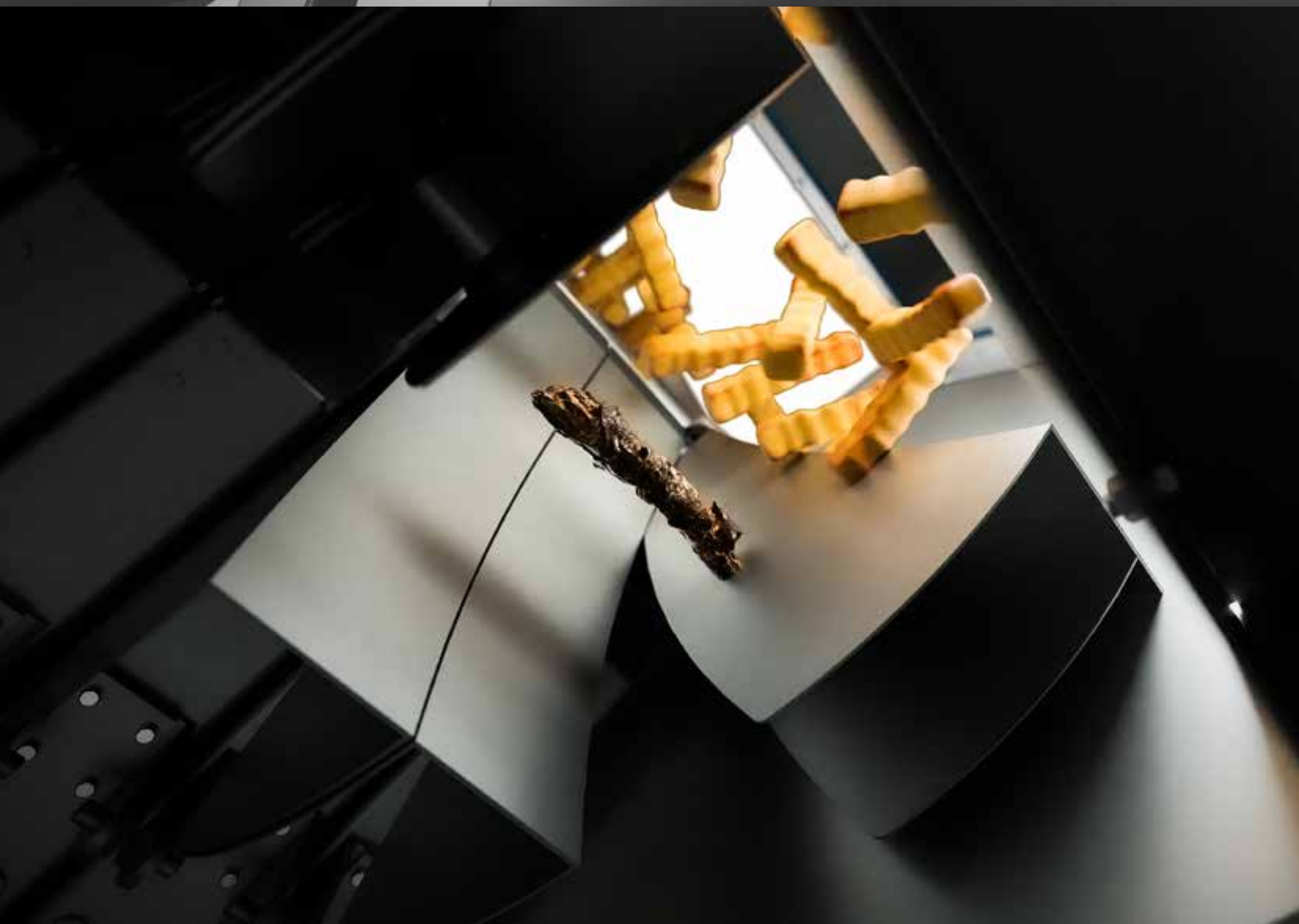
Zero Touch Reject Technology

Highest Food Safety Standards

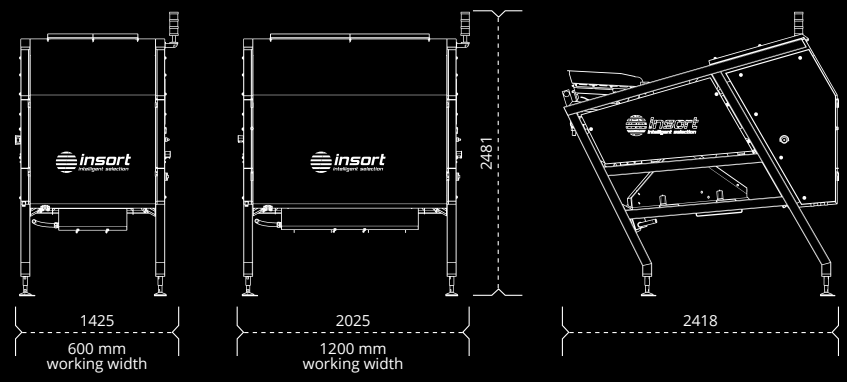
The Safeguard Zero Touch Reject Technology drops foreign bodies down through a trapdoor. No active mechanical touch or air blast needs to be applied to foreign bodies to remove them from the product stream, which guarantees removal with the highest reliability.

Critical (or hazardous) foreign materials like broken glass bottles, rodents, plastics and many more do no longer get the opportunity to enter the plant or make it into the final product for the customer. Difficult objects such as large or heavy stones, sticks or metal parts, and very light parts such as plastic film, cardboard and paper are all removed with the highest reliability, compared to trying to remove these defects with air jets. Depending on the size and location of foreign materials, the system will automatically open one or multiple high-speed reject gates. This zero-touch removal technology personalizes the opening time to remove these hazardous materials without the need of striking with strong paddles or high pressure air which can cause glass or other brittle FM to shatter into smaller pieces for example.


CIT



Sherlock Hypernova is available in stainless steel, hygienic design and fully wash down cleanable. The space requirement is small and the integration into existing lines is simple.



BEGINNING OF LINE

Safety first! In addition, you receive immediate inline feed-back on product quality, reducing response time to changes in the production process.

END OF LINE

No-contact and safe removal of foreign and harmful materials with simultaneous yield optimi-sation. And for sure – 24/7.

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