

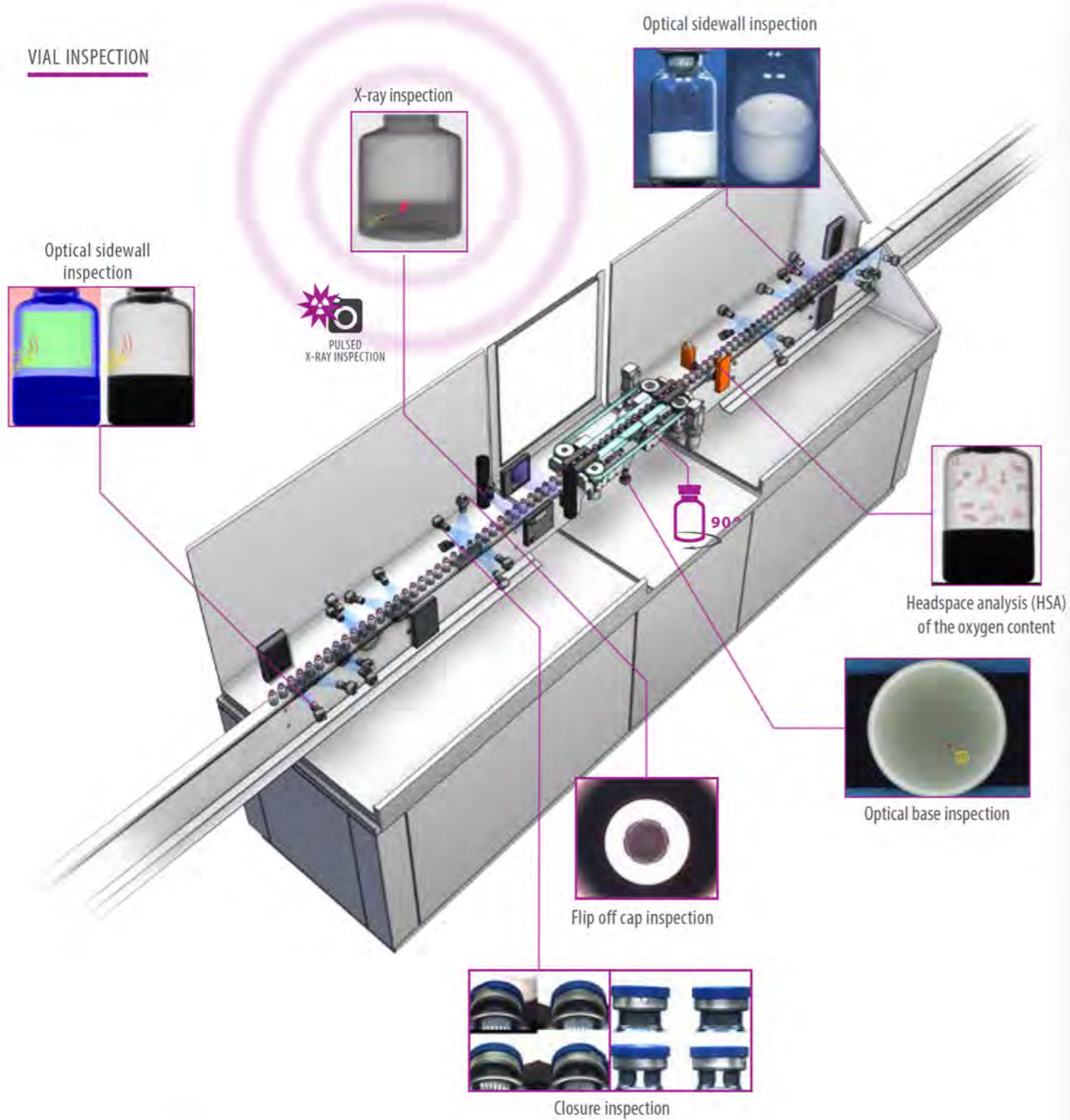


Full safety during  
the filling and  
packaging of vaccines—  
be prepared with  
HEUFT!



*HEUFT spotter II PHS*

VIAL INSPECTION



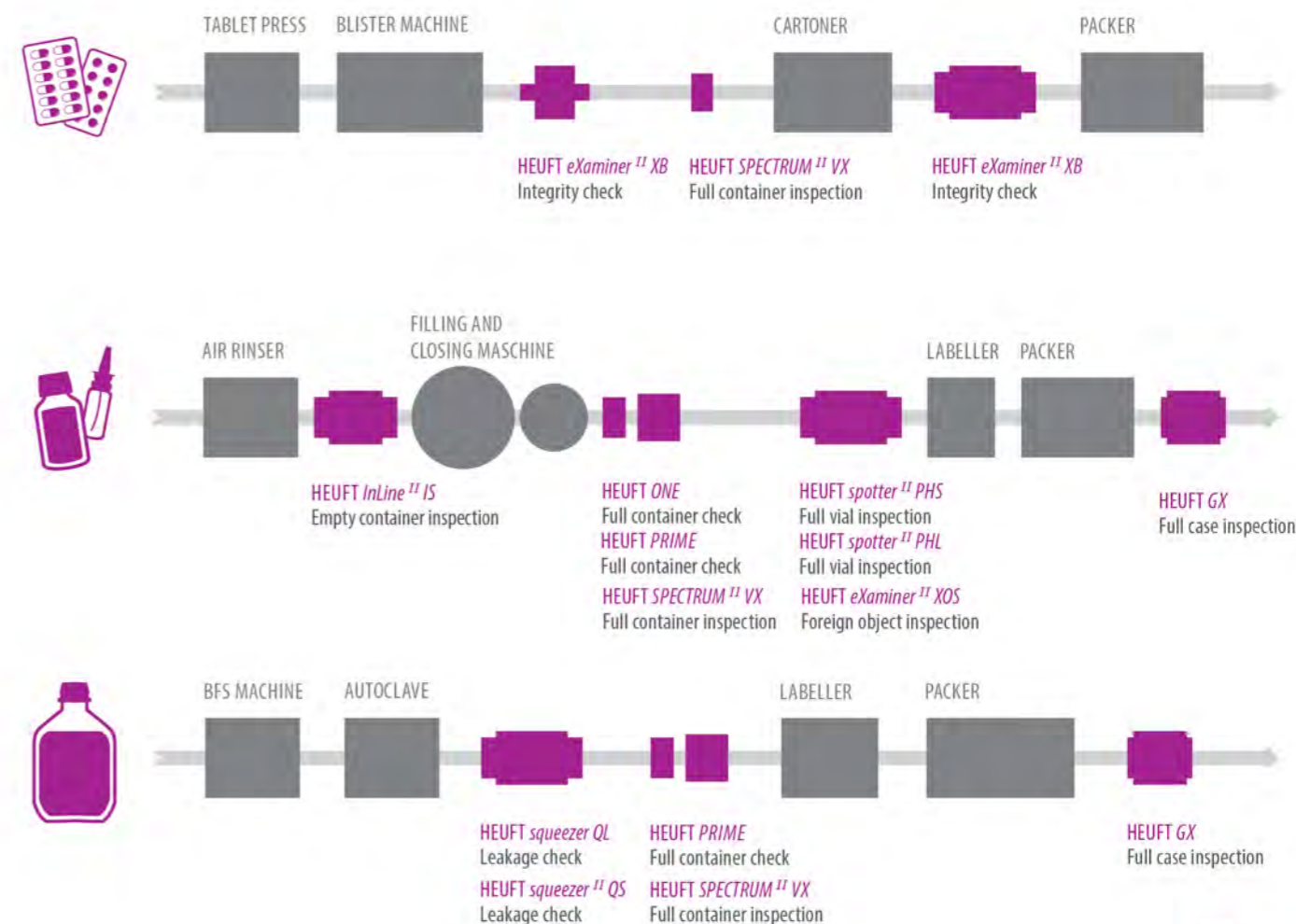
## HEUFT *spotter<sup>II</sup> PHS*

Straight complete inspection of small size filled vials based on the HEUFT *SPECTRUM<sup>II</sup>* – including pulsed X-ray technology

Full equipment and automation for maximum detection reliability in an efficient and space-saving straight-through system: the HEUFT *spotter<sup>II</sup> PHS* not only has sophisticated optical detection procedures as the first vial inspector of its kind. In addition the fully automatic system offers unique X-ray strobes as well as a HSA. Therefore glass and metal particles are even identified carefully and reliably when they are hidden

in the product. Furthermore the compact linear machine finds glass defects, contamination as well as deviations in filling quantity in small injection bottles containing between 2 ml and 100 ml and checks the integrity of their closures precisely. The result: a continuous complete inspection of vials filled with parenteral drugs and other pharmaceutical products which does not miss a fault.

PHARMA INSPECTION SOLUTIONS

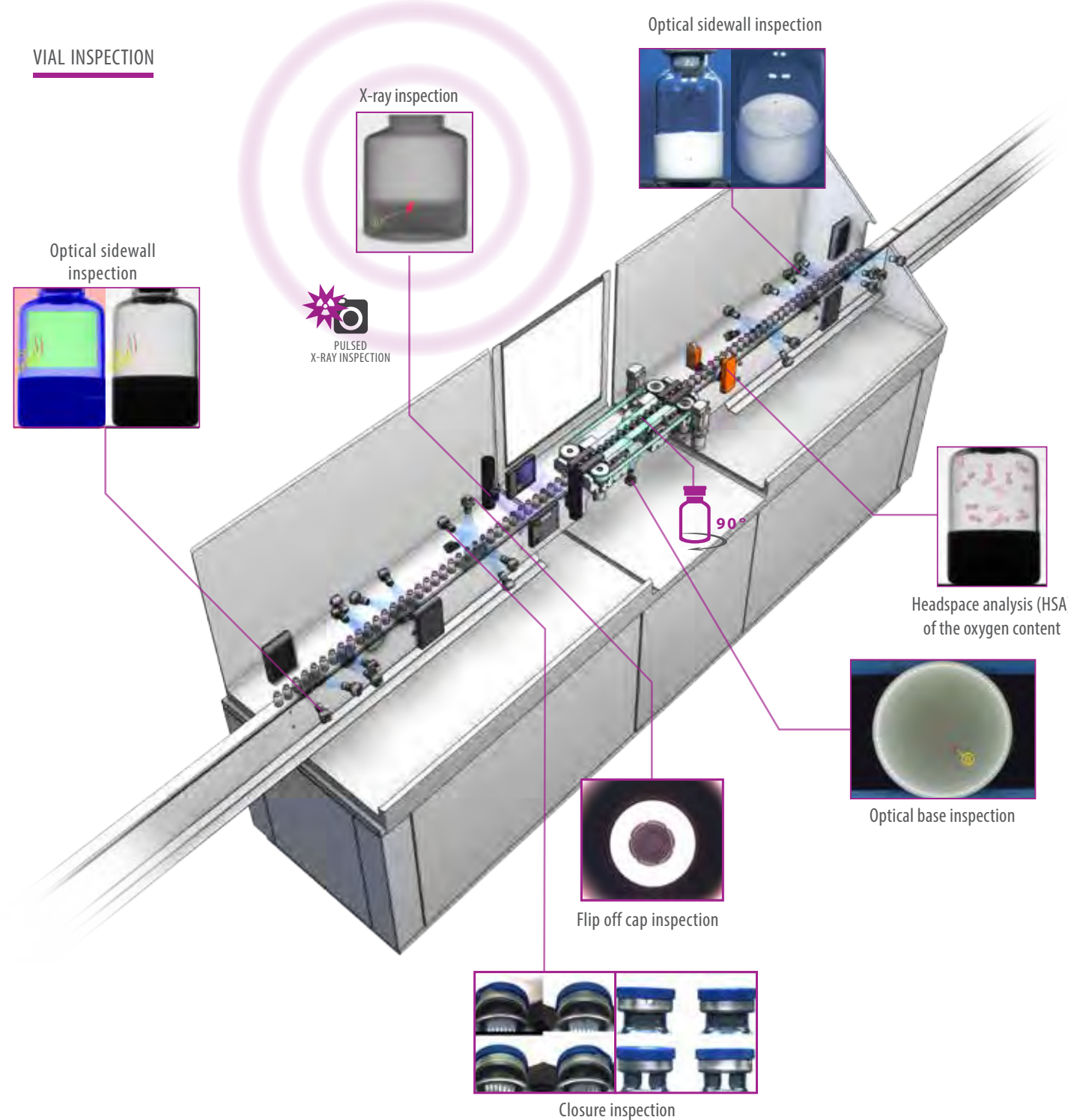


## FULL PHARMACEUTICAL SAFETY FROM THE BEGINNING TO THE END

From blister packs to cannulas, vials to BFS bottles, leaking to hermetically protected, contaminated to free of foreign substances and dangerous to safe. Indeed from A to Z:

HEUFT safeguards the quality, safety and tolerability of pharmaceutical products from the beginning to the end. Defects and contaminants are already detected reliably during the all-around inspection of empty primary packaging material. Checking the fill level and the closure integrity ensures

consistently high product quality. And with the pulsed X-ray technology available exclusively from HEUFT even the careful identification of dangerous foreign objects which are hidden in the medicinal product is possible.



## HEUFT *spotter* II PHS

Straight complete inspection of small size filled vials based on the HEUFT *SPECTRUM* II – including pulsed X-ray technology

Full equipment and automation for maximum detection reliability in an efficient and space-saving straight-through system: the HEUFT *spotter* II PHS not only has sophisticated optical detection procedures as the first vial inspector of its kind. In addition the fully automatic system offers unique X-ray strobes as well as a HSA. Therefore glass and metal particles are even identified carefully and reliably when they are hidden

in the product. Furthermore the compact linear machine finds glass defects, contamination as well as deviations in filling quantity in small injection bottles containing between 2 ml and 100 ml and checks the integrity of their closures precisely. The result: a continuous complete inspection of vials filled with parenteral drugs and other pharmaceutical products which does not miss a fault.



### Untampered pharmaceutical products

Reliable identification of foreign particles such as fibres or hairs in small vials filled with liquid and lyophilised products (2 ml - 100 ml). Reliable detection of glass and metal particles even inside lyo products using X-ray strobes – safe inspection of active pharmaceutical ingredients (APIs) possible.

### Faultless packaging

Clear detection of incorrectly filled and damaged vials as well as those, for example, which have been contaminated by product splashing. 360° closure inspection for a highly precise identification of non-brand and leaking flip off caps. Laser-based headspace analysis for the volumetric determination of the O<sub>2</sub> content in a full vial which can impair the effectiveness of the medicinal product inside it.

### Clean solution and efficient inspection

Compact, hygiene-optimised construction with fault rejection without compressed air (clean room class B) in an efficient straight-through system without wear-intensive change parts.

### Reliable operation and sustainable documentation

Highly automated HEUFT *SPECTRUM* II system with tamper-proof audiovisual HEUFT *NaVi* user guidance and network connection for a reliable audit trail documentation. Safe fulfilment of the fundamental FDA, GMP, GAMP5 and 21 CFR Part 11 requirements.

# VISIT US IN OUR CUSTOMER CENTER



## SHOWROOM

Experience the complete range of HEUFT solutions in action: our arena with almost 1,000 square metres of exhibition space provides you with the perfect conditions to convince yourself of the superior performance of our inspection and quality assurance systems – even with live tests using products from your own portfolio upon request.

[Visit@heuft.com](mailto:Visit@heuft.com)

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## TRAINING

The right know-how for reliable operation: experienced experts will provide you with all the knowledge you need in order to safeguard the functionality and availability of your HEUFT system sustainably in the HEUFT Training Center – not only theoretically but also directly at the device!

[Training@heuft.com](mailto:Training@heuft.com)

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## SERVICE

The nerve centre for a proactive customer service: our service control centre coordinates all the services on your premises from online remote maintenance with the HEUFT *TeleService*, the HEUFT *PhoneService* up to HEUFT *DirectService* visits – for a worldwide 24/7 support.

[Technical.Desk@heuft.com](mailto:Technical.Desk@heuft.com)

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## CONFERENCES

From seminar room to auditorium for 199 guests: we are pleased to make our premises containing state-of-the-art multimedia equipment available to customers and partners for meetings and events – including a tour of the premises, specialist lectures and practical presentations!

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