

From bottom to top, from inside to outside, from empty to full, from open to sealed, from bad to good, from contaminated to pure, from holey to tight, from defective to perfect and from premium to standard. Indeed from A to Z:

HEUFT safeguards quality during the filling of returnable PET from the beginning to the end. Non-brand, severely misshapen, contaminated and defective empty bottles are reliably detected and removed even before they can put downstream machines out of action. The empty bottle inspector only allows PET containers through after the cleaning process which can be safely filled. An inspection is carried out as soon as the drink is inside that the quantity is correct and the bottle does not leak. Finally a detailed examination of all the closure elements ensures the integrity of the packaging and the unadulterated purity of the end product.



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PerfectPET!



HEUFT InLine^{II} IS

The new standard for a superior empty bottle inspection on a HEUFT level.

Full coverage

Continuous complete inspection of empty PET bottles for the reliable identification of residual liquid, contamination, mould, foreign objects, stress cracks, defective neck rings as well as finish and thread faults including soiled and damaged vent slots.

Intelligent assessment

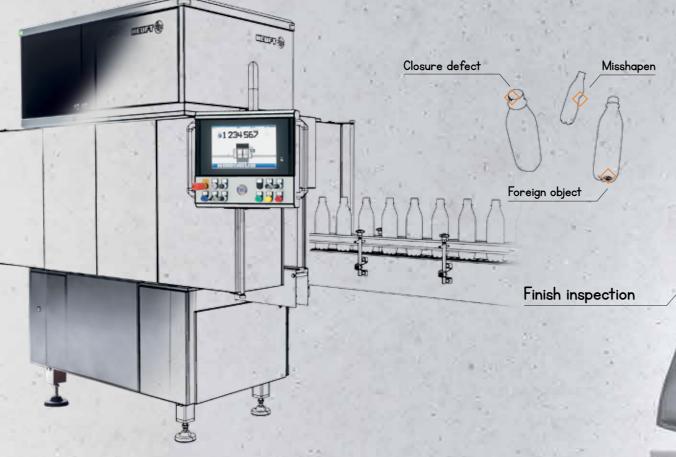
HEUFT reflexx² image processing system and smart algorithm in order to combine the results of a precise scuffing, crack and base wear detection for the reliable identification and evaluation of returnable PET bottles which are too old and no longer useful.

Exact adjustment

Servo-controlled fine bottle alignment for even more precision during the allaround inspection and automatic adaptation of the transport and detection units for straightforward brand and format changes.

Space-saving and clean

Compact construction (actual area < 1 m²) in accordance with the hygiene-optimised HEUFT CleanDesian.



HEUFT squeezer ^{II} QS

Highly automated leakage check based on the HEUFT SPECTRUM^{II}.

Leakproof packaging and pure contents

Reliable detection of minute leaks in filled bottles made of PET and other plastics for the sustainable safeguarding of packaging and product integrity.

Full stability

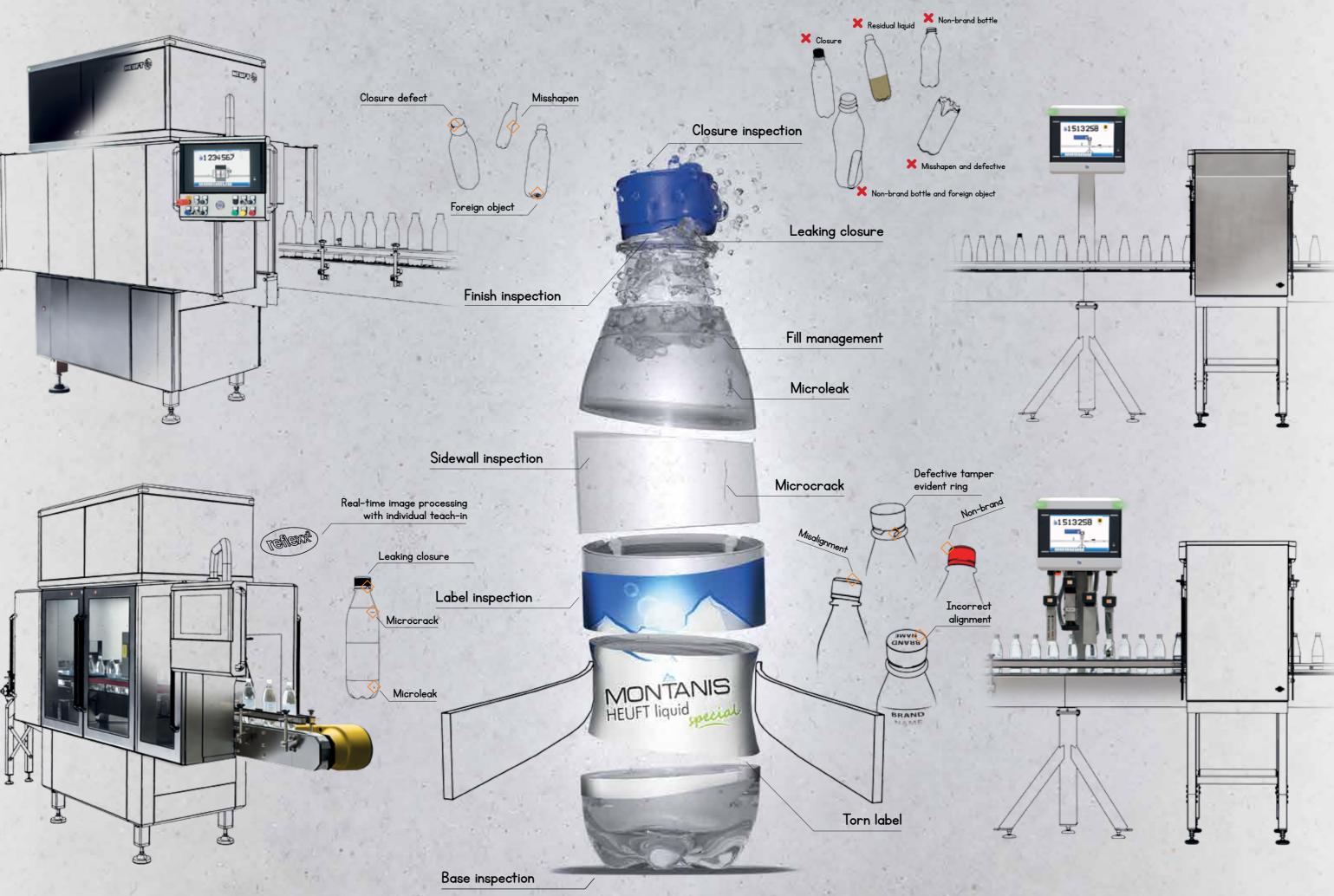
Precise measurement of the internal pressure of the container for stable full containers which can be optimally transported and stored.

Outstanding detection reliability

Comparative fill level detection in a non-compressed and compressed condition for maximum precision when identifying leaks.

Reliable and easy operation

Maximally automated HEUFT SPECTRUM ^{II} system with self-explanatory audiovisual HEUFT NaVi user guidance.



Washing machine infeed check based on the HEUFT SPECTRUM^{II}

All-around inspection of returnable PET bottles even before cleaning.

Full line efficiency and full productivity

Effective protection against productivity thwarting standstills to the bottle washing machine and other downstream devices due to the timely sorting out of unsuitable PET bottles.

Maximum packaging and product safety

Reliable identification and early rejection of empty bottles which are non-brand, oversized, misshapen, closed, extremely soiled and contain dangerous residual liquids or foreign objects not removed during cleaning.

Maximum detection reliability

Powerful sensor technologies, high-resolution optics and real-time image processing system. Innovative camera technology especially for the specific detection of non-brand label remains, imprints and embossing as well as the reliable determination of the colouration and exact quantity of residual liquid on the base of the bottle.

Simply automatic

Maximally automated HEUFT HEUFT SPECTRUM ^{II} system with automatic vertical and guide rail adjustment as well as the self-explanatory audiovisual HEUFT NaVi user guidance.

HEUFT FinalView^{II} CAP

Detailed closure inspection based on the HEUFT SPECTRUM^{II}.

Full closure safety and maximum product integrity Continuous all-around inspection of closures and their safety elements.

Superior detection accuracy

Reliable identification of non-brand, canted, defective, leaking and incorrectly positioned closures as well as the clear detection of thread faults and damaged tamper evident and neck rings.

Individual and flexible

Different detection modules for specific tasks from inspecting colour logos to checking the closure alignment with millimetre precision.

Highly automated and self-explanatory

Brand changes at the push of a button and audiovisual step-by-step assistance for utmost operational reliability.