



## UNICHECK V

Empty bottle inspection

- Advice
- Planning
- Installation
- Operation
- Maintenance
- Modernisation



CONNTAINER TESTING



SORTING SYSTEMS



PALETT INSPECTION



KEG-INSPECTION

# Empty bottle inspection - UNICHECK V

- Compact linear design with particularly good accessibility to all assemblies
- Minimal maintenance and changeover effort with automatic adjustment during format changeover
- Optics based on hygiene design with generously designed cullet chute including bottom blow-off
- Compact design without compromising the quality of the individual stations
- Automatic belt adjustment with optimal adaptation to the bottle shape
- Maximum operating and evaluation convenience via multi-axis positionable touchscreen
- Various interfaces for tracking and rejection of defect bottles and additional modules for product monitoring and self-testing
- True 360° inspection through unique light optics and multi-image capture with latest camera and image processing technology



Empty bottle Inspector  
UNICHECK V at the  
Syscona test center

Max. output up to 65.000  
bottles per hour

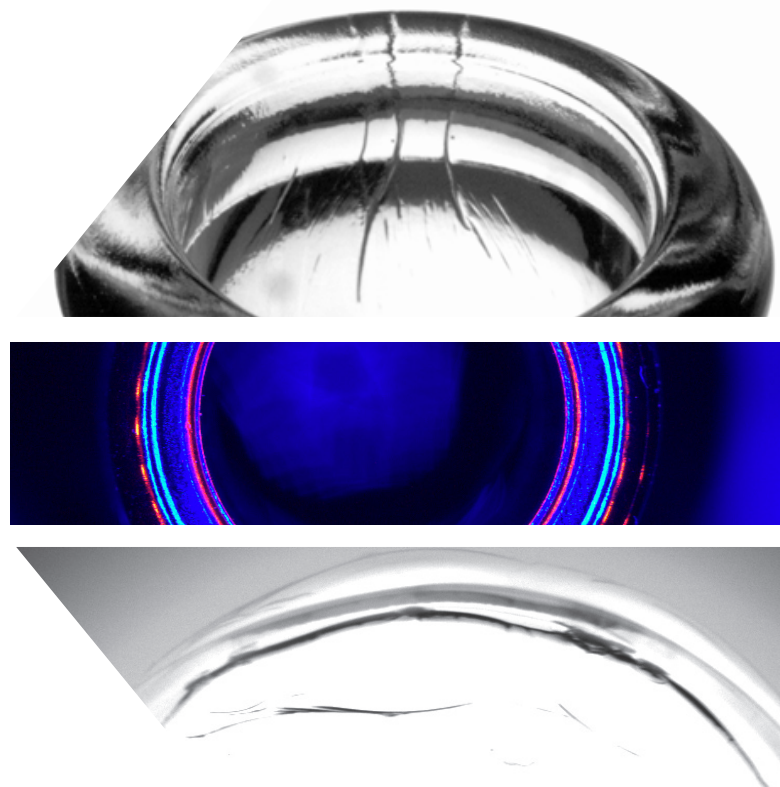
Bottle height from  
100mm to 400mm

Bottle diameter from  
20mm to 105mm

## Control stations:

Measuring stations with high-resolution CCD cameras and special LED illumination systems for safe and reliable bottle inspection.

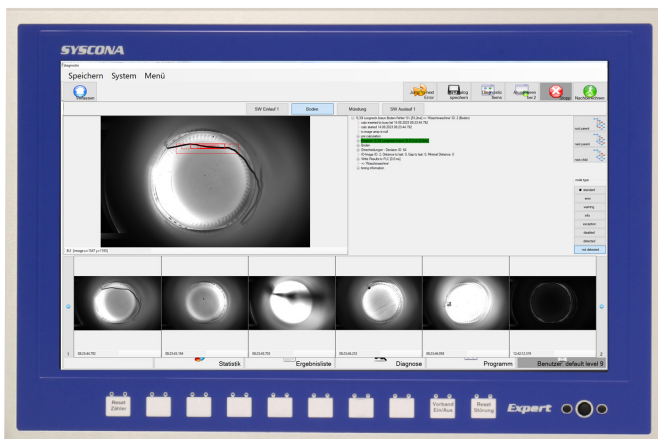
- Side wall
  - Bottom
  - Mouth
  - Thread
  - Residual liquid
  - Optional inlet control
- Contour and color detection by means of camera technology or as a less expensive sensor solution by means of light barriers



The empty bottle inspector - UNICHECK V  
fulfills high demands on performance,  
ease of use and hygiene.

# EXPERT - System properties and technical Data

- Electronics, control and operating terminal in an optimally shielded **stainless steel commander housing V2A (protection class IP65)** for installation above the bottle or container transporter.
- **Fully air-conditioned** and **without a filter fan to the outside**. Good accessibility through hinge doors on the front and back, as well as a removable lid.
- System-hardware: **powerful HP industrialcomputer** with Intel Xeon prozessor.
- **Comfortable operating terminal, with an 18.5" TFT monitor and touch screen**, as well as an additional function keypad.
- Menu-guided **Windows®-oriented user interface** providing access to all functions and system parameters, including **comprehensive visualisation** of system and diagnostic data. Access is password-protected with different user levels.
- The **production data** including header data is recorded in the **internal database** and can be retrieved for further external processing.
- **Ethernet interface (TCP/IP)**, optional ProfiBus for transmitting data in real time to higher-level controllers or BDE systems. Data can be copied to external media via a USB port.
- An optional UPS prevents interference due to short-term network fluctuations and ensures a targeted shut-down of the systems in the event of a power failure.
- The **Auto-Systemcheck** continuously monitors all functions and sensors and outputs a corresponding interference signal in the event of an error.
- An **auto-Log file** automatically registers and saves all status messages, hits, and parameter changes with date and time.



- DVD burner and additional hard drive for easy **data protection** and backup creation
- **Remote maintenance connection**
- Integrated **software service tools** multichannel memory oscilloscope functions.

## ProfiPush Bottle Discharge

Guarantees the purpose-safe and standing discharge:

- Electro-pneumatic system with a high-performance cylinder, complete with compressed air maintenance unit
- Trouble-free sorting out in the event of series errors (even at different filling levels and changing speeds)
- Long service life thanks to quality components
- Capacity up to 70,000 containers/hour

Downward movement and contact at the centre of gravity with a spring-loaded plastic plate, which optimally adapts to the container contour.

**Also available with electronic operation, which makes even finer and specific settings possible.**







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## **SYSCONA**

this means creativity, commitment, quality and a versatile product range. We see our task in the continuous development of our products and in the new development of systems. Practical use with high performance and maximum functional reliability are always in the foreground. Making customers even more successful through the best rationalisation effects and new, intelligent solutions for quality assurance, material flow and data processing tasks – this is our highest goal.

## **Your technology partner**

**SYSCONA** Kontrollsysteme GmbH, founded in 1996 with a starting crew of 20 employees, is a global core supplier to market-leading beverage and food companies.

We equip production and bottling plants (especially breweries and soft drink manufacturers) with state-of-the-art technology.



**CONTAINER TESTING**



**SORTING SYSTEMS**



**PALETT INSPECTION**



**KEG-INSPECTION**



**SYSCONA**  
KONTROLLSYSTEME



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