

HEYE COLD END INSPECTION SOLUTION



# SMARTLINE 2

## INSPECTION MACHINE

# HiSHIELD



WE ARE GLASS PEOPLE



HEYE INTERNATIONAL

# HiSHIELD SMARTLINE 2

**PRODUCTION QUALITY AND PRODUCT SAFETY**



## HiSHIELD

The quality and consistency of global brands is increasingly important to producers of consumer goods. Product safety and purity are major issues and Heye offers the solutions to ensure glass container production quality. At the beginning of a partnership, everybody needs to get to know one another. This is why Heye often starts with line audits and a proposal for an optimisation of the inspection layout.

The result is a cost-efficient concept for the Cold End, respecting both the brand owner's requirements and the budget requirements of the customer. Apart from delivering an extensive range of advanced inspection equipment, Heye's PlantPilot information management system brings together all relevant data, crossing the borders between Hot End and Cold End.



- + THE STANDARD ARTICLE HEIGHT IS 400MM (UP TO 500MM ON REQUEST); ANGULAR, OVAL AND ROUND CONTAINERS CAN BE PROCESSED
- + THANKS TO THE SERVO DRIVEN STAR WHEEL, INDEXING POSITIONS FROM 6 TO 48 ARE USABLE
- + THE ENLARGED WORKING RADIUS ALLOWS A HIGH COMPATIBILITY WITH EXISTING TOOLING SETS

## Speed & flexibility - fast job changes

The Heye SmartLine 2 is the new generation of Heye's starwheel inspection machine series. The SmartLine sets the standard in reliability and robustness. The user interface has been improved and makes job changes as easy as possible. Both, the mechanical design but also the control unit are extremely reliable and easy

to operate. The large hood gives maximal access to the working space, reducing the job change times to the absolute minimum. Latest non-contact inspection features are integrated, as well as a self-learning system for camera-based check detection.

### INSPECTION SPEED AND JOB CHANGE TIME

The application of servo technology results in a high degree of flexibility. Fast and easy changes of the item indexing positions and optimal use of the servo torque for up to four rotation stations are possible. Optimised motion sequences allow faster reactions to changing process parameters. The new design and the large and easy-to-open hood provide more working space between the inspection stations.

### QUALITY AND RELIABILITY

Innovations have to stand the test of time. This is achieved by the use of robust industrial electronics and a climate-controlled electronics and electronics compartment, together with high quality components. Operational usability is enhanced by a touchscreen monitor, easy access to all electronic components and an extricable mounting plate for frequency inverters and servo controllers. Hazard-free working condition for the operator is provided by a microprocessor-controlled safety module.

### FLEXIBLE INSPECTION OPTIONS

The SmartLine can be configured in different ways. Up to six inspection stations are available. Depending on the customer's requirements, various container attributes can be checked:

- + Tightness
- + Finish diameters
- + Container height
- + Finish and shoulder checks
- + Bottom and heel checks
- + Body checks
- + Wall thickness inspection (non-contact)
- + Defects of the finish surface (LOF - line over finish)
- + Out of round, body diameter
- + Mould number reading (dot code and alphanumeric)
- + Dark check inspection



**Heye International GmbH**

Lohplatz 1, 31683 Obernkirchen  
Germany

T +49 5724 26 0  
F +49 5724 26 229

[www.heye-international.com](http://www.heye-international.com)

