

POWERED BY

**IRIS**  
Inspection machines

**h** heyeye  
international

**WENSPECT**  
Together for complete lines

Leaders in camera and check inspection solutions, we have joined our forces in a unique synergy. The best of each company has been combined : customer focus, know-how, and leading-edge technologies, to redefine glass inspection and offer you a complete and intelligent inspection line.

**We co-operate, we innovate, wenspect.**

[www.wenspect.tech](http://www.wenspect.tech)

# WENSPECT

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**IRIS**  
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## Cold End alliance

For many years, IRIS and Heye have together been supplying inspection lines for glass container factories worldwide. We are both specialists in our field : IRIS in camera inspection machines, Heye in starwheel inspection machines. This complementary partnership has today become a cold end commercial alliance with added value where intelligent software is combined with a robust mechanics. We bring a collective expertise to your cold end.

## WE CO-OPERATE, WE INNOVATE, WENSPECT.

### IRIS Inspection machines

Since 2002, IRIS has designed, developed and manufactured intelligent inspection solutions for glass containers. The company offers precise and innovative inspection machines with reduced dependence on the human factor for your increased productivity, quality and efficiency. IRIS is a team of passionate engineers, mastering the entire production of machines from ideas and concepts, to the production of CPU boards and on-site installation.



### Heye International

Based in Obernkirchen, Germany, Heye International is one of the foremost suppliers of production technology, high performance equipment and know-how for the container glass industry worldwide. Our mechanical engineering has set the standard in the industry for more than 60 years. The industry expertise, attitude and enthusiasm of Heye International employees conforms to the motto "WE ARE GLASS PEOPLE".

# THEY SAID ABOUT US

## COLDEND EXPERTISE FOR BASTURK CAM GREENFIELD PROJECT

The latest greenfield glass container factory to enter production in Turkey calls on inspection expertise from Heye and IRIS. Part of the successful Bastürkler Sirketler Group of Companies, Bastürk Cam, is located at the heart of the Malatya agricultural region of Eastern Anatolia. The glassworks features a 300 tonnes/day glass melting furnace. Three production lines have been set up to make flint bottles and food jars. The **cold end offers flexibility**, as the partners Heye and IRIS have provided **a complete, integrated solution for cold end** : EVOLUTION 12 for sidewall and stress, EVOLUTION 5 for the base, finish and stress and Heye SMARTLINE starwheel inspection machines, with check inspection, wall thickness measuring and dimensional inspection. **Full data connectivity** is assured between machines, with an information management system. All necessary information is provided to **improve the performance of the different lines**.

"We have combined the best engineering and manufacturing features to meet our customers' highest quality needs" Bastürk Cam confirms. "Focusing on

harmonising with international standards and continuous improvement in all of our activities, the glassworks project aims to capture the success achieved by the Bastürkler Sirketler Group elsewhere around the world."

Recently the customer has decided to install a second furnace with 500 tonnes/day. Based on the good experience in the first project, all lines will be equipped with Heye and IRIS Inspection machines.

“

We have combined the best engineering and manufacturing features to meet our customers highest quality needs.

”

# EVOLUTION 12 NEO AI

## INTELLIGENT SIDEWALL INSPECTION



EVOLUTION 12 NEO AI is an intelligent sidewall inspection machine with 12 HD cameras. Thanks to its unique optical design, EVOLUTION 12 NEO AI provides full body coverage.

Equipped with a 21.5" touchscreen, these machines offer a full display of 12 to 16 images.

The latest generation cameras take sharper and more accurate images improving discrimination between different types of defects (eg small stones and blisters)

A powerful processing unit with innovative design and reduced maintenance cost offers a platform for new inspection intelligence.

### ADVANTAGES AT A GLANCE

- ✓ 360° coverage
- ✓ Intelligent defect recognition
- ✓ Realtime feedback for the Hot End
- ✓ Engraving inspection
- ✓ On-line geometry inspection
- ✓ Easy and fast settings for time saving
- ✓ Stress inspection option
- ✓ Multiple articles inspection

# EVOLUTION 5 NEO AI

## BASE, BASE STRESS, FINISH AND MNR



EVOLUTION 5 NEO AI is a fully automatic machine for base, finish, base stress inspection and mould number reading. It is totally modular and can be equipped with between one and 5 HD cameras to fit your inspection needs.

A new mechanical design provides better access to all inspection stations and saves set-up.

The latest generation LED ensures lighting from several angles to obtain a better image for inspection.

Equipped with 21.5" deported touch screen with a user-friendly interface, EVOLUTION NEO AI offers quick and easy job change and inspection of round and non-round containers.

### ADVANTAGES AT A GLANCE

- ✓ Intelligent Defect Recognition
- ✓ With between one to five inspection modules to fit your needs
- ✓ Engraving recognition and inspection
- ✓ Reduced mechanical settings
- ✓ Motorised cameras
- ✓ Time saving with easy settings



# SMARTLINE 2

## NEXT LEVEL IN SPEED AND FLEXIBILITY



Heye SmartLine 2 is the new generation of Heye's starwheel inspection machine series. The Smart-Line series 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 and the control unit are extremely reliable and easy to operate. The large hood gives maximum access to the working space, reducing job change times to the absolute minimum. The latest non-contact inspection features are integrated, as well as a self-learning system for camera-based check detection.

### ADVANTAGES AT A GLANCE

- ✓ Outstanding reliability and robustness
- ✓ Ranger 2 – camera based check detection
- ✓ Multi-point wall thickness measuring
- ✓ Flexible platform for latest inspection modules
- ✓ Large working radius and high tooling compatibility
- ✓ Excellent mini ware handling
- ✓ Superior non-round performance

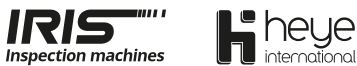
# THEY TRUST US



## WENSPECT

Together for complete lines

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