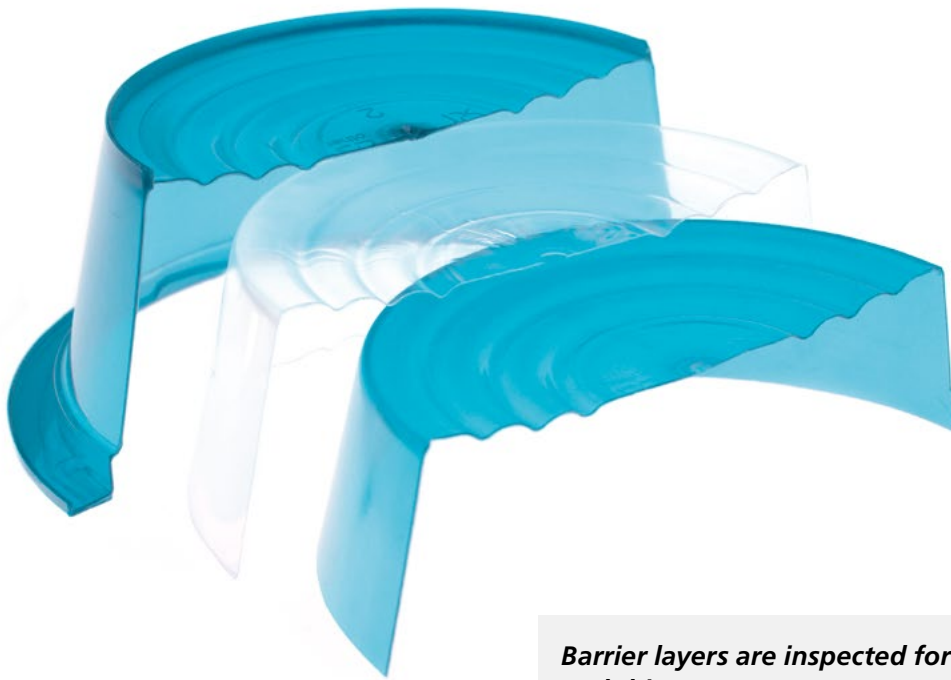


BARRIERWATCHER®

INSPECTION OF BARRIER LAYERS

The BarrierWatcher® accomplishes the inspection of the entire EVOH barrier layer without destroying the packaging. The system is easy to use and detects holes and thin areas in the barrier layer with a special measurement procedure.



Barrier layers are inspected for presence, holes and thin areas

The BarrierWatcher® typically inspects **containers, cups, single-serve capsules and closures.**

The specific characteristics of the objects are analyzed and a distinction between the base material and the barrier layer can be made. Holes in the barrier layer are made apparent through comparison to a reference sample and defect parts are automatically sorted out from the production line.

The BarrierWatcher® is available as a **lab system** with manual feeding or as an **inline system** integrated into the production line. When used as an inline system, the BarrierWatcher® identifies defects and correlates them to the specific cavity. This way, the operator can easily localize faults on the production machine and perform

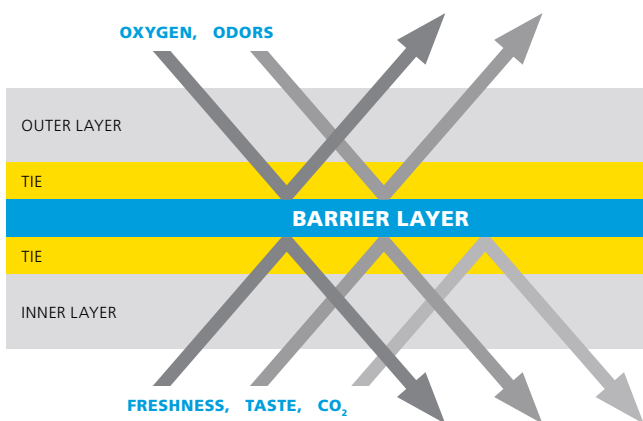
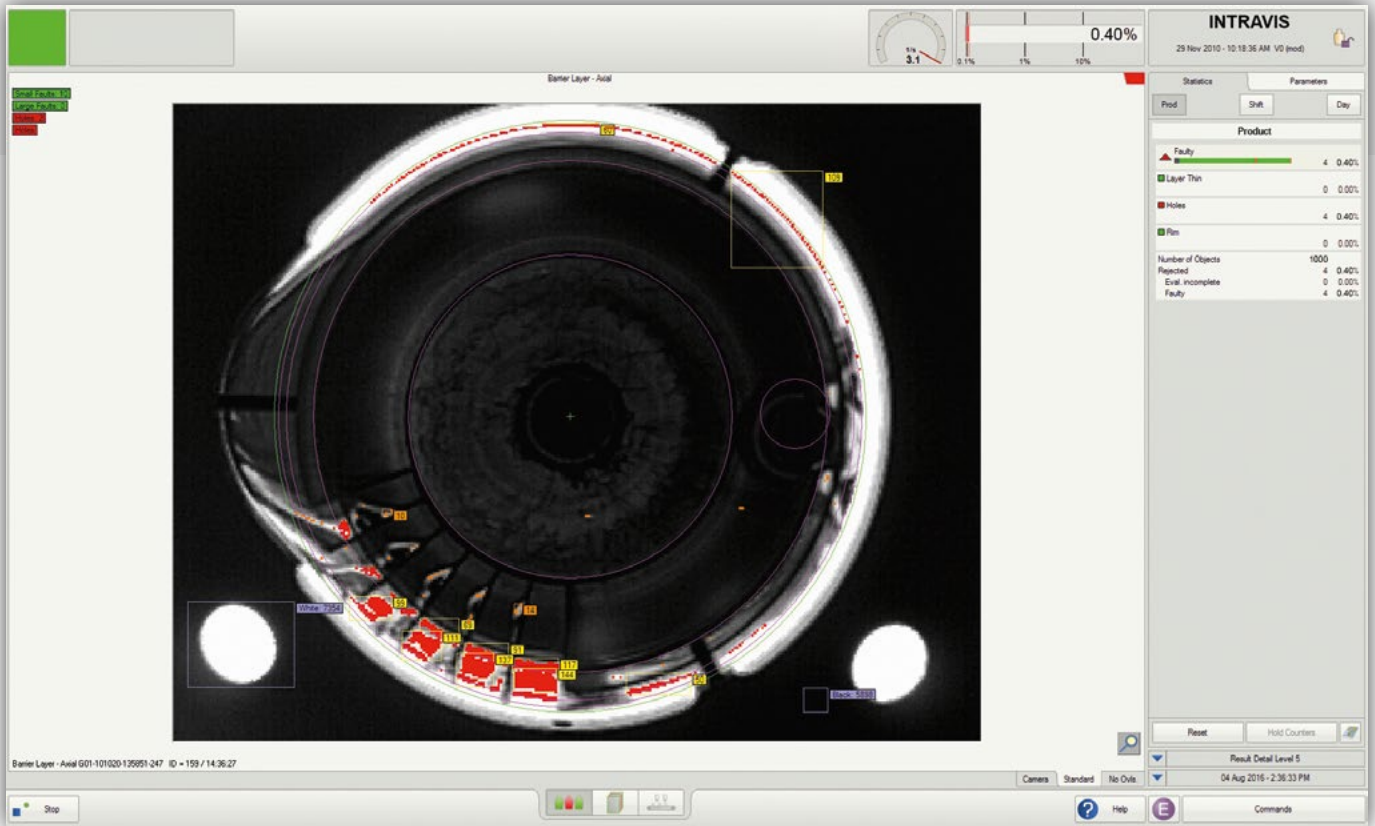
a targeted maintenance. As an inline system the Barrier-Watcher® can be configured to all current production rates.



BarrierWatcher® integrated in the production line

BARRIERWATCHER®

INSPECTION OF BARRIER LAYERS



INSPECTION CRITERIA

- \\ Detection of holes and thin areas in the barrier layer
- \\ Inspection of both smooth and structured areas

Inspection accuracy

- \\ 1 x 1 mm (at 50 mm object diameter)

Inspection speed

- \\ Up to 10 objects / second (maximum object rate)
- \\ 300 ms idle time under the camera

Electric connection (electrical cabinet)

- \\ Rated voltage AC 230 V, 50/60 Hz*
- \\ Rated current 1 A

* All systems are available in UL/CE configuration
Other voltages upon request