

# Themisto

## Inner diameter and total length of vials

The Vimec Themisto inspection system is designed for inner diameter and total length inspection of borosilicate glass vials.

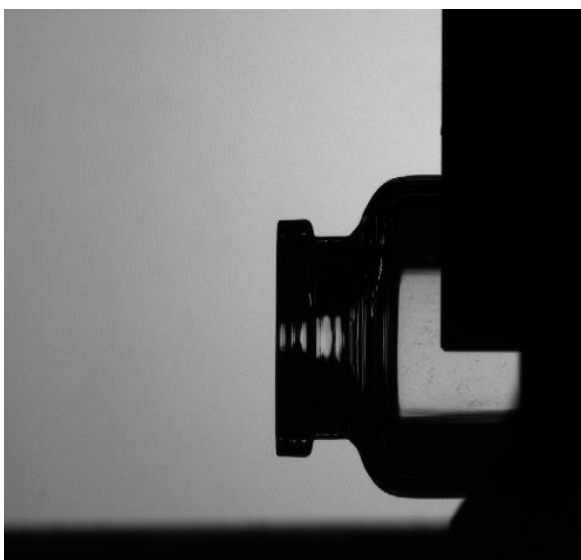
### Inspection principle

**Lifter unit** The vials are presented to the cameras using a lifter unit, which takes the vials out of the conveyor. The vials are accurately positioned by an alignment part and presented to the cameras for inspection. After the inspection, the lifter places the vials back on to the conveyor.

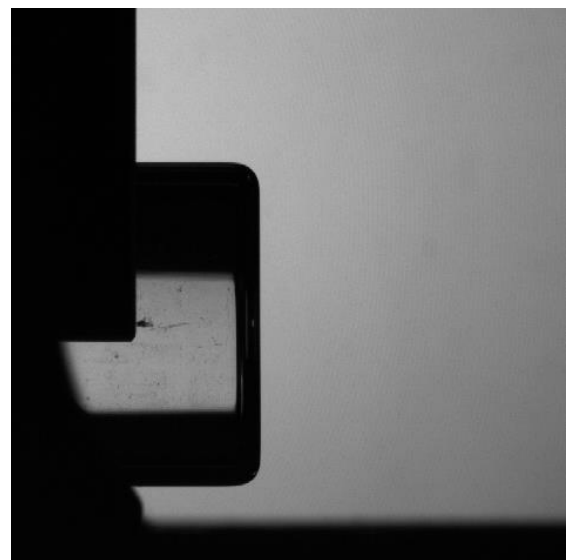
**Inspection** Multiple cameras are used to inspect the vial that is presented in the inspection position. Two cameras are used to inspect the total length of the vial and one camera is used for inner diameter inspection. After the inspection is completed, the results of the inspection are processed in the V-Center system control. If the vial is not accepted with reference to the limits that are set, a trigger signal to the reject unit is generated.



Inner Diameter inspection

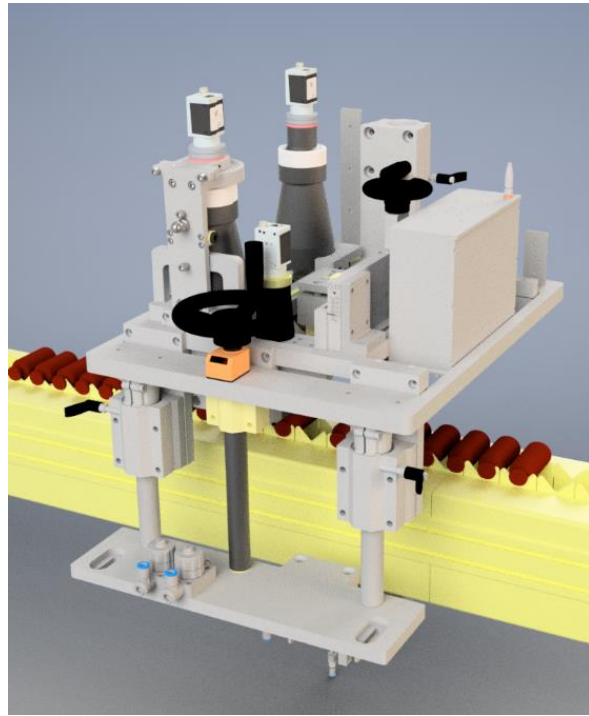


Side view top of vial



Side view bottom of vial

## System impression:



### Key figures:



Max. 120 Parts per minute <sup>1</sup>



3 Cameras



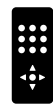
ISO size vials



Before annealing oven



Production optimization



Vimec VCenter control software.

<sup>1</sup> Maximum inspection speed may differ for vials with a larger outer diameter

## Vimec Applied Vision Technology B.V.

With over 25 years experience in the specific market of packaging glass, we are dedicated to design, build and validate visual inspection systems. Vimec offers a multitude in measurement possibilities to cover all your inspection needs.

### Interested?

Contact us for more information!



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