



# Thyone

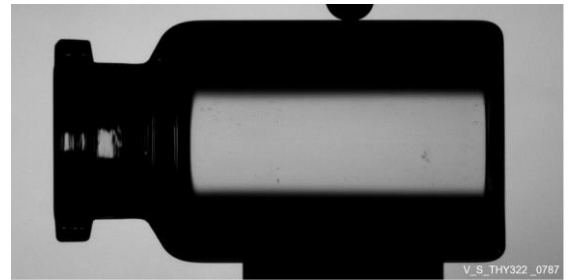
## Dimensional inspection of vials

The Thyone inspection system is designed for in line dimensional inspection of borosilicate glass vials before oven.

Using one camera and a telecentric lens, the system inspects the vial on outer contour dimensions such as total length, shoulder radius and thread dimensions.

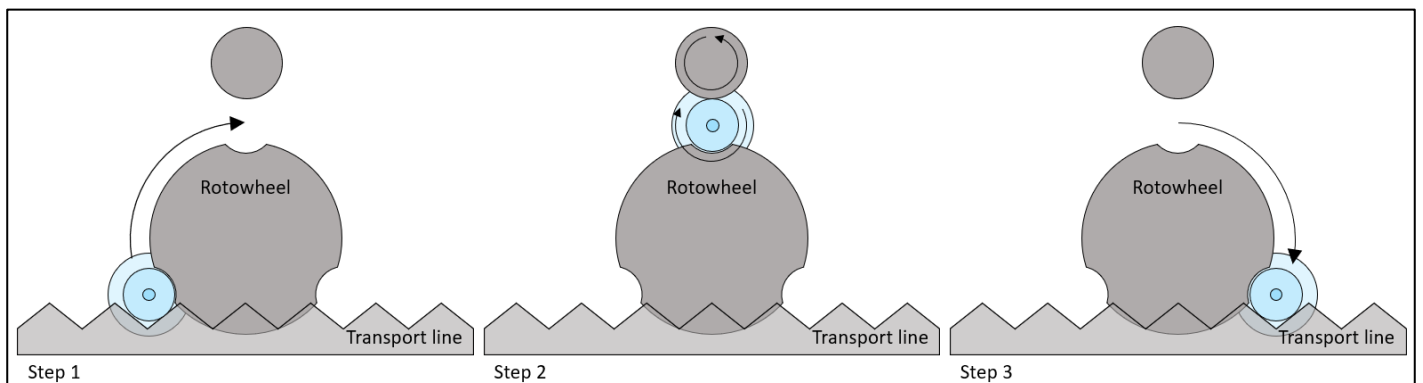
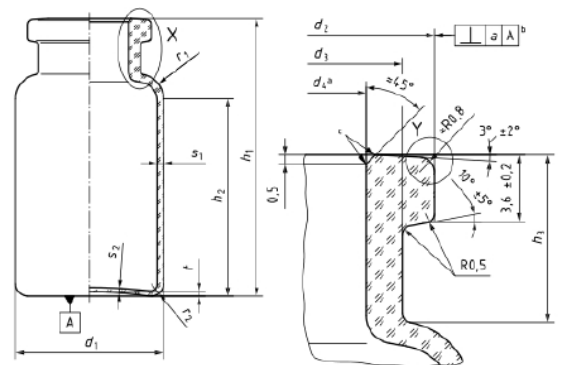
### Inspection principle

**Rotowheel** The vials are presented to the camera using a Rotowheel. The Rotowheel takes the vials out of the conveyor and positions the vials accurately. A rotation wheel rotates the vials quickly to have a view from all sides. After inspection is performed, the Rotowheel places the vials back on to the conveyor.

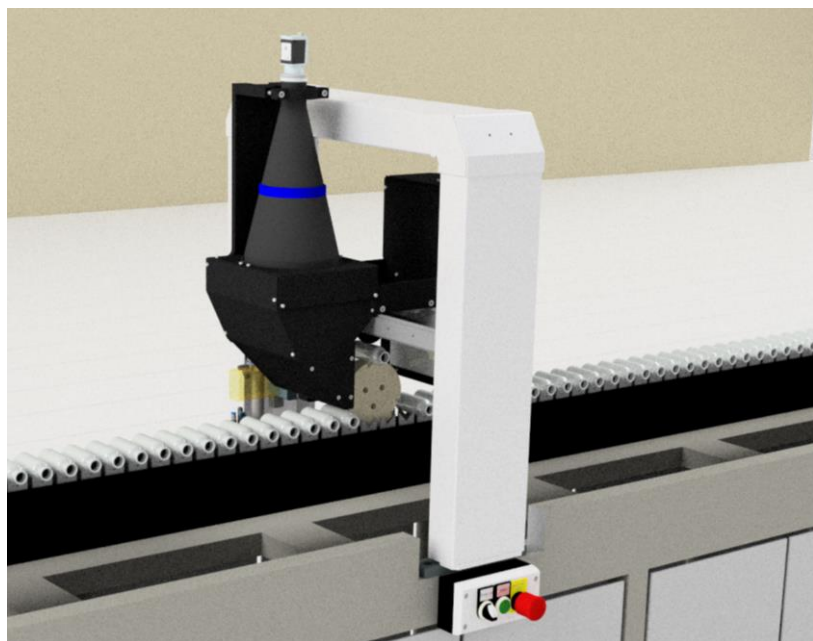


**Inspection** During the rotation of the vial the camera takes multiple images to check the vial dimensions are correct from all sides. After the inspection is completed, the results of the inspection are processed in V-Center.

Together with data of other (optional) inspection systems, a trigger a signal to the reject unit is generated if the vial is not within the set specifications.



## System overview



### Key figures



Max. 120 parts per minute



1 camera + telecentric lens



ISO size vials



Typically before annealing oven



Production optimization



Vimec V-Center software control

## Vimec Applied Vision Technology B.V.

With over 30 years of experience in glass inspection and monitoring solutions, we are dedicated to designing, building, and validating visual inspection systems. Vimec offers a multitude of measurement possibilities to cover all your glass packaging inspection needs.

### Interested?

Contact us for more information!

*Vimec Applied Vision Technology B.V.  
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+31 (0)40 – 255 06 07



[sales@vimec.nl](mailto:sales@vimec.nl)



[www.vimec.nl](http://www.vimec.nl)