



Proteus

Dimensional inspection of cartridges

The Proteus inspection system is designed for dimensional inspection of borosilicate glass cartridges before oven.

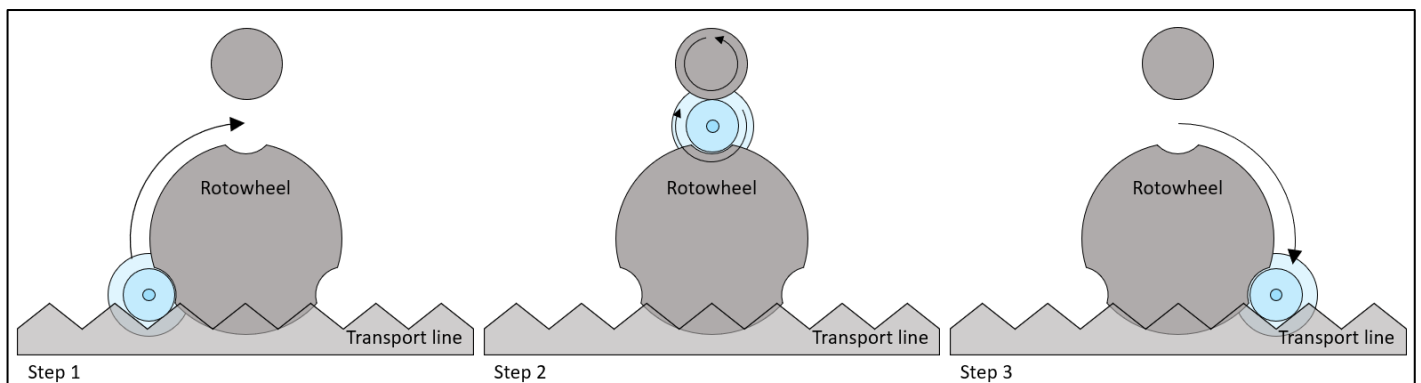
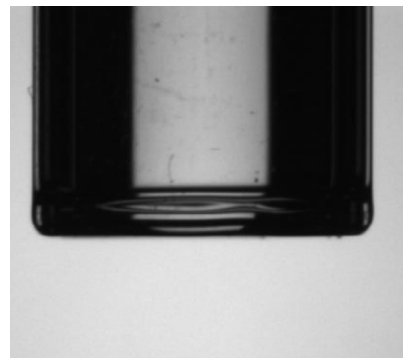
Using two cameras, the system inspects the cartridge on outer contour dimensions such as total length, shoulder radius and other dimensions.

Inspection principle

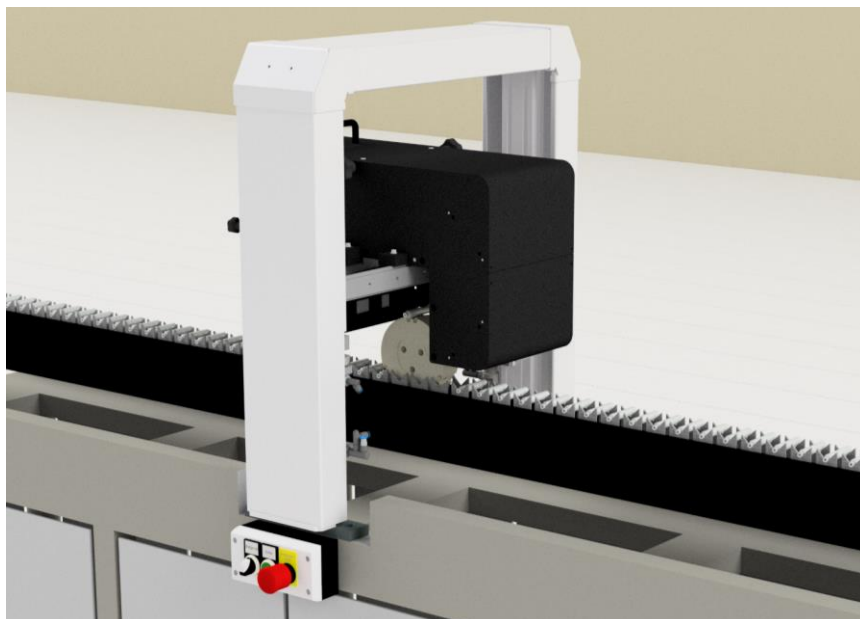
Rotowheel The cartridges are presented to the camera using a Rotowheel. The Rotowheel takes the cartridges out of the conveyor and positions the cartridges accurately. A rotation wheel rotates the cartridge to have a view from all sides. After inspection is performed, the Rotowheel places the cartridges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

Inspection During inspection several cameras used to measure specific areas of interest on the cartridge. 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 syringe is out of specification on any given measurement.



System overview



Key figures



Max. 120 parts per minute



2 cameras



ISO size cartridges



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!

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