



Carpo

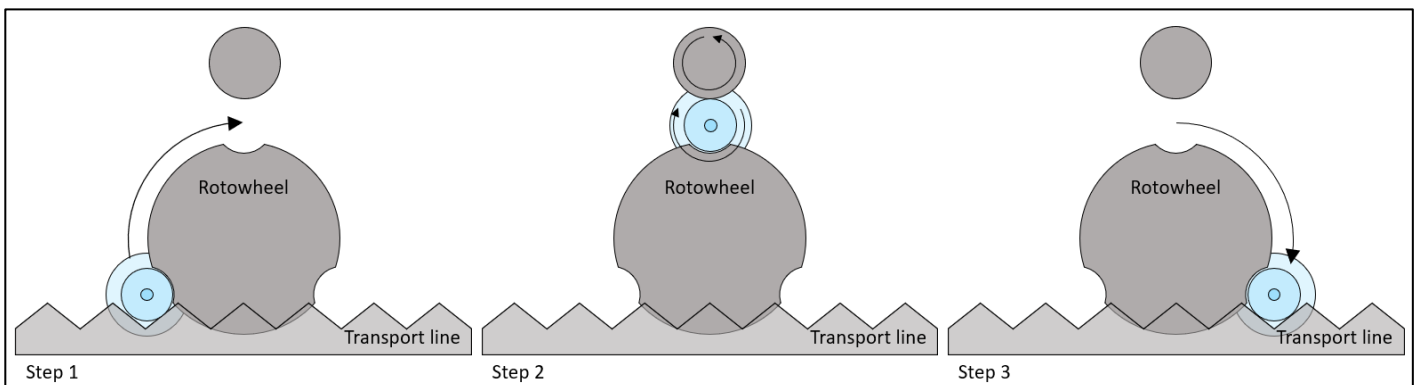
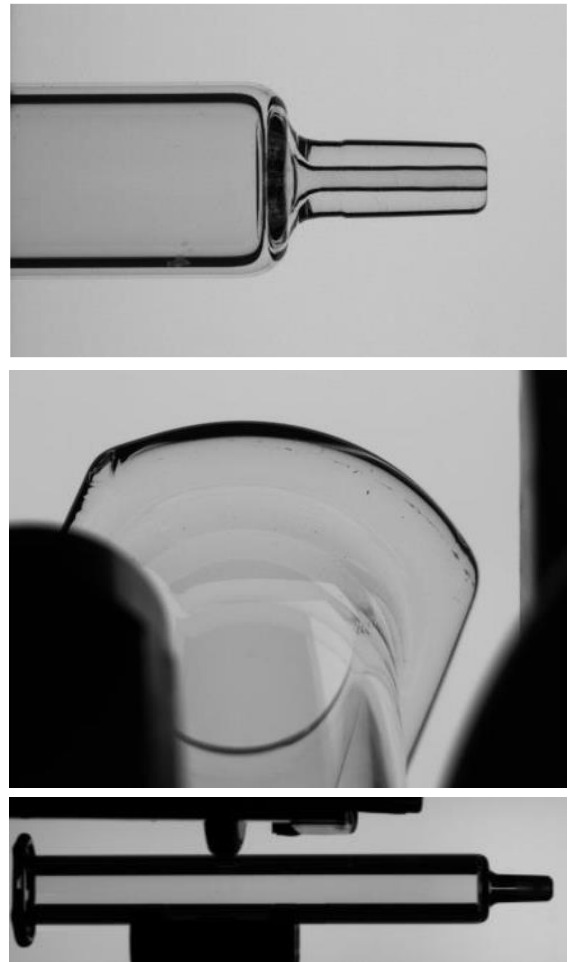
Cosmetic inspection of syringes

The Vimec Carpo inspection system is designed for in line cosmetic inspection of glass syringes. With multiple cameras and viewing angles, the system inspects the syringe on cosmetic defects in the conus, body, shoulder, and flange area.

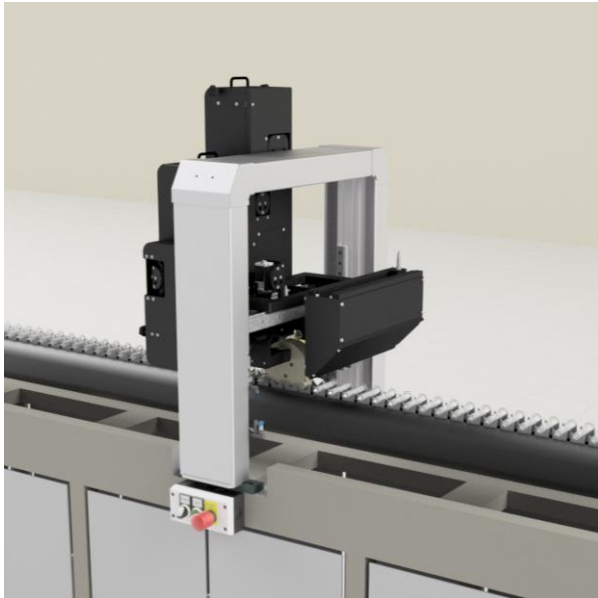
Inspection principle

Rotowheel The syringes are presented to the cameras using a Rotowheel taking the syringe out of the conveyor and positioning the syringes accurately. A Rotowheel turns the syringes quickly to have a perfect view from all sides. After the inspection, the Rotowheel places the syringe back on to the conveyor.

Inspection During the rotation of the syringe, several area scan cameras and line scan cameras inspect the product, each of them with a specific area of interest. After the inspection is completed, the results of the inspection are processed in the V-Center system control. Together with data of optional other inspection systems, a trigger signal to the reject unit is generated if the syringe is not accepted with reference to the limits set.



System overview



Key figures



Max. 120 Parts per minute



2 - 5 Cameras



ISO size syringes



After annealing oven



Production optimization




Vimec V-Center - control and data processing software

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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