



Atlas

Detection and measurement of residual stress

Vimec has developed an in-line inspection system to detect and measure residual stress in borosilicate containers after the oven.

Inspection principle

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

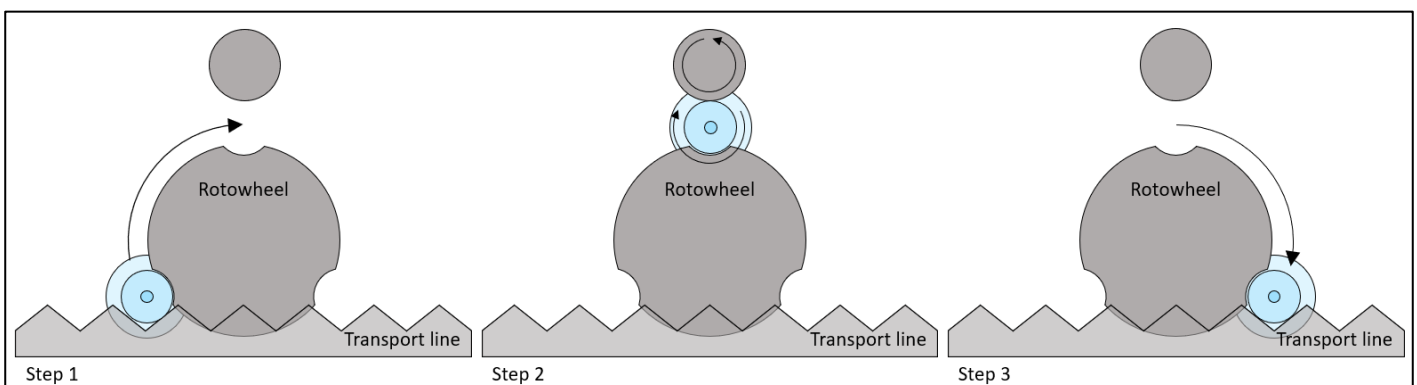
Inspection During the rotation of the product a line scan camera takes an image to check the residual stress from all sides. After the inspection is completed, the results of the inspection are processed in V-Center.



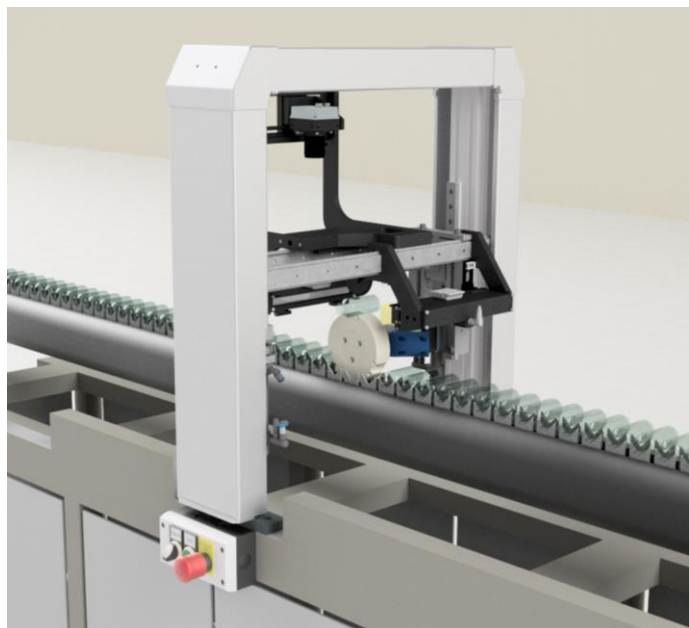
Together with data of other (optional) inspection systems, a trigger signal to the reject unit is generated if the product is not within the set specifications.

Integration The Atlas can be delivered as a standalone system or can be combined with other (cosmetic) Vimec inspection systems. Please contact us to discuss the possibilities.

Upgrade In some cases it is possible to add the stress in glass detection functionality to an existing Vimec inspection system. Please check the possibilities with Vimec.



System overview



Key figures



Max. 120 parts per minute



1 camera



ISO size products



After the 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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