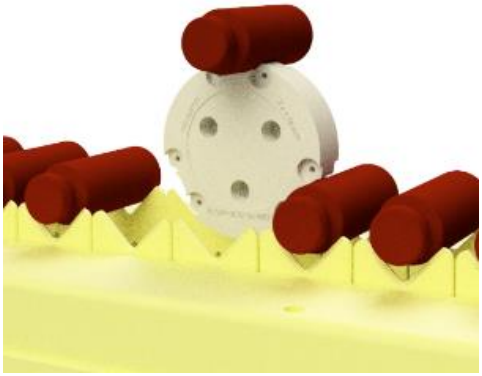
Triton

Cosmetic inspection of vials using *dark field* illumination principle

The Vimec Triton cosmetic inspection system is designed for cosmetic inspection of borosilicate glass vials.
Using 2 or 4 cameras, the system inspects the vial's surface on scratches, cracks, glass inclusions, etc. Using darkfield illumination principle.

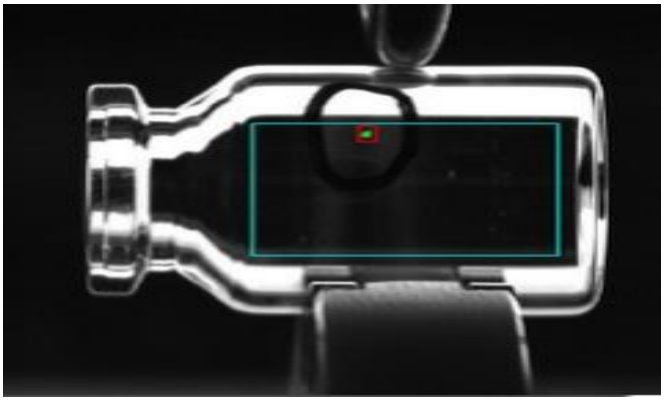
Way of working

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

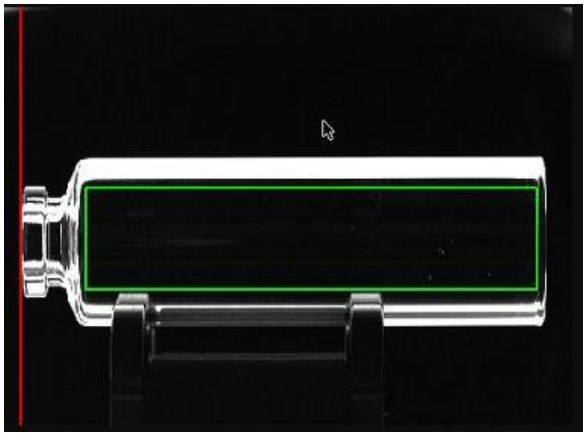


Rotowheel

Inspection During the rotation of the vial, several cameras are used, each of them with a specific field of view. 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 a signal to the reject unit is generated if the vial is not accepted with reference to the limits set

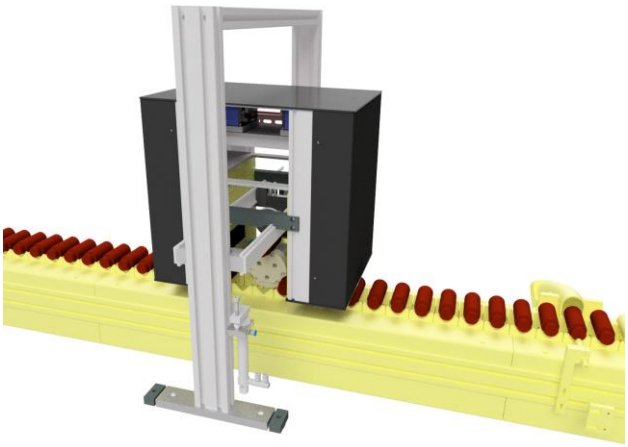


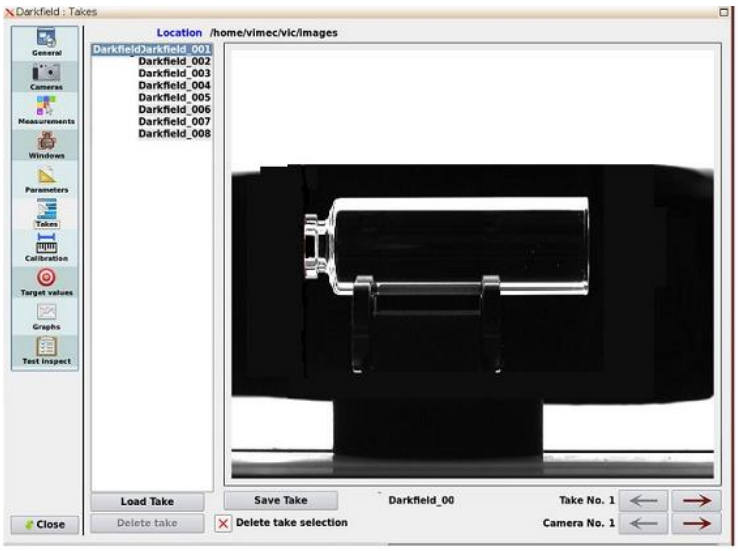
Body window



Body window

System impression:





Screenshot Vcenter system control

Key figures:

- Max. 120 parts per minute
- 2 or 4 camera + darkfield illumination
- ISO size vials[1]
- Typically after annealing oven
- Production optimization
- Vimec VCenter software control

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!

+31 (0)40 – 255 06 07

info@vimec.nl

www.vimec.nl

Vimec Applied Vision Technology is proud member of:

[1] Other sizes possible, please contact us!