

APPLIED VISION TECHNOLOGY

Vimec is the leader in glass inspection and monitoring solutions for the world-wide industry of pharmaceutical packaging glass.



VIMEC APPLIED VISION TECHNOLOGY B.V.

Freddy van Riemsdijkweg 8
5657 EE Eindhoven
The Netherlands

+31 (0) 40 255 06 07
info@vimec.nl
www.vimec.nl

Member of  ONE OF A KIND
TECHNOLOGIES

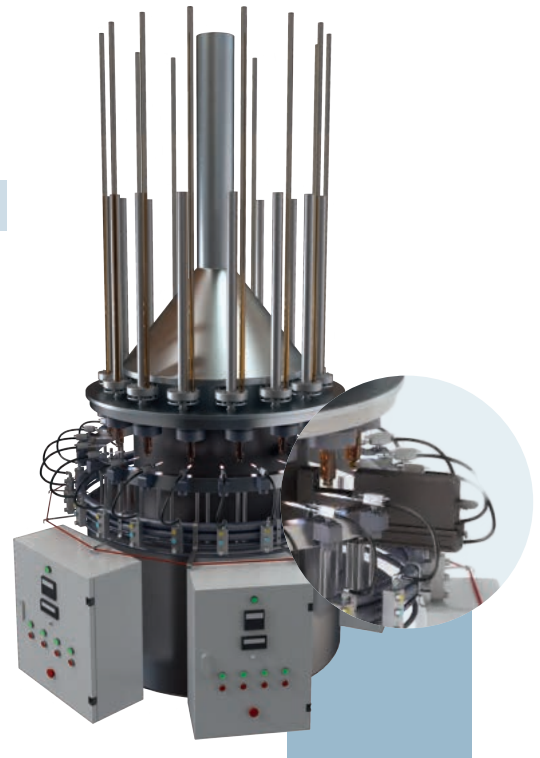
With over 25 years experience

in the specific market of packaging glass, we are dedicated to design, build and validate superior visual inspection systems. Vimec offers a multitude in measurement possibilities to cover all your inspection needs.

VCenter system control

All Vimec inspection systems run on the specially designed VCenter software. The software is presented by a touch screen monitor located in the control cabinet. The software allows the end-users of the inspection systems to easily navigate through all different options and functionalities when operating the inspection system. The general part of the software is the same for all inspection systems, which makes the software uniform to work with.

It is possible to connect multiple inspection systems to one VCenter configuration. Typically, all inspection systems before oven are connected to one VCenter configuration and all systems after oven are connected to one VCenter configuration. This allows the operator to control all inspection systems that are connected to one VCenter configuration on one central place.

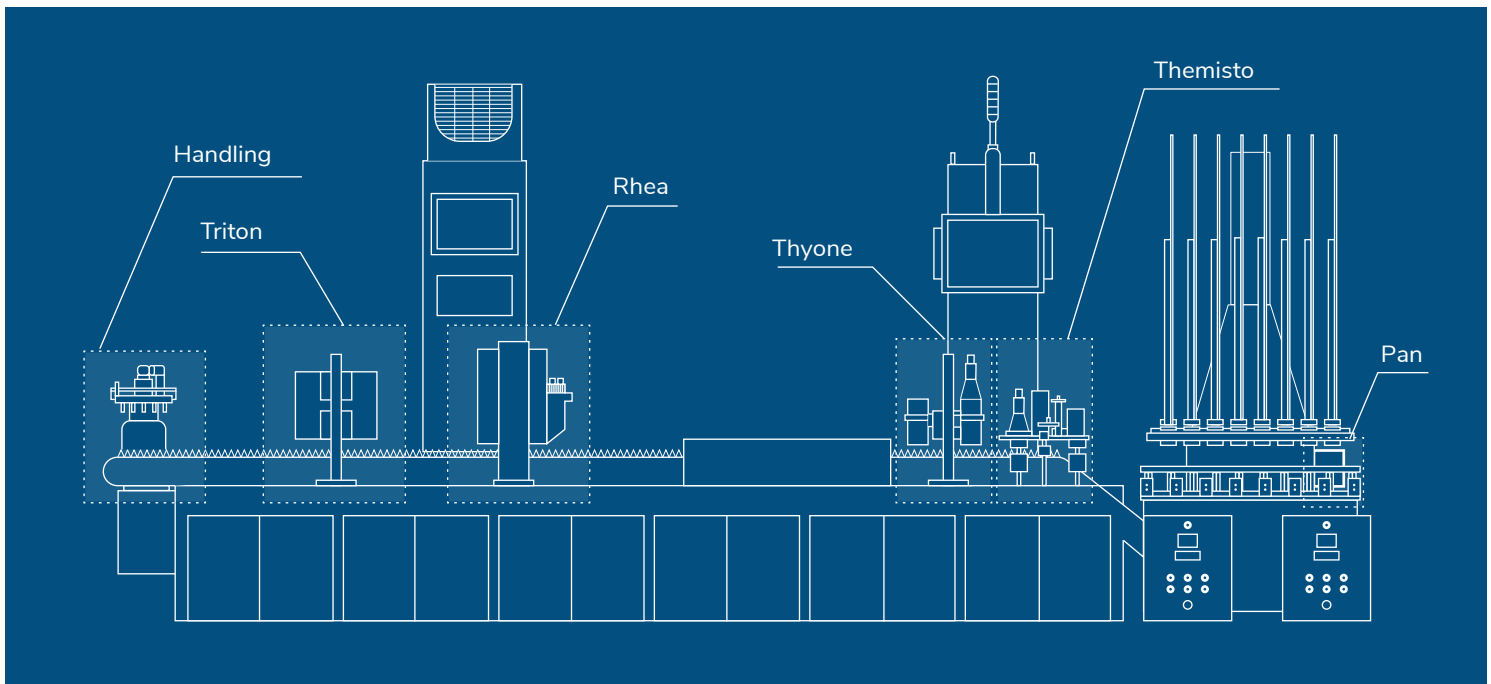


Dimensional inspection

Vimec provides systems that inspect the vial on dimensions. In the hot-end section of the production line, the Pan measures the outer dimensions for indexed and non-indexed forming carousels. The Telesto measures the inner diameter of the vial. The Themisto expands this functionality with the total length measurement. The Pandora inspects the bottom concavity and thickness. Full outer dimensional inspection of the vial can be performed by the Thyone.

**Our experts can advise you
the best suitable system configuration
for your inspection requirements.**





System testing and qualification

When the system has finished the building stage, the system will be tested according to IQ, OQ and PQ tests. These tests are part of the Factory Acceptance Test (FAT) process that takes place at Vimec in Eindhoven. In this way, we ensure that the system is covering the customer requirements. All tests are performed by our Skilled Engineers. We create the user manuals for our system according to the NEN-5509 norm.

Vimec provides Service Engineers to perform the installation of our systems at the customer's or line manufacturer's location. After the systems are installed on the production line, the Service Engineers perform the Site Acceptance Test (SAT).



Cosmetic inspection

Cosmetic defects can be inspected by our dedicated cosmetic systems. The Rhea performs inspection of the vial by bright field illumination, inspecting; straight, sealing, bottom, under the lip and shoulder areas. The system uses 2 to 5 individual cameras. Dark field inspection is performed by Triton and is used for detection of very small cosmetic defects. Typically it is used additionally to bright field illumination.

Handling and packaging solutions

Vials can be automatically packed by our dedicated handling and packaging solutions. Because of the unique flexible gripper unit, change over time is reduced to a minimum, as no gripper replacement is required.

The vials will be packed in customer specific trays, presented by packing tables, conveyors, or carousels.

VIMEC

System overview

	TYPE OF INSPECTION	CONFIGURATION	Syringe	Cartridge	Vial	Ampoule
In forming machine	Dimensional outer dimensions	Integrated housing 1-camera	CORDELIA	NEREID ¹	PAN ¹	PROSPERO
1 Split housing available: lighting unit and camera unit can be mounted separate in forming machine.						
Before oven	Dimensional outer dimensions	1 - 3 cameras	CRESSIDA	PROTEUS	THYONE	THEBE
	Dimensional inner diameter	1 camera	CHARON	TELESTO	TELESTO	
	Dimensional inner diameter and total length	3 cameras	THEMISTO	THEMISTO	THEMISTO	
	Bottom concavity and thickness	1 sensor			PANDORA	
After oven	Cosmetic and dimensional print	1 camera	METIS	METIS	METIS	METIS
	Cosmetic and dimensional straight view	2 – 5 cameras	CARPO	LARISSA	RHEA	
	Cosmetic and dimensional dark field	2 – 4 cameras	TARVOS	TITANIA	TRITON	
	Cosmetic and dimensional needle	2 – 8 cameras	PHOEBE			
Offline	Dimensional SPC	4 – 8 cameras	TITAN	TITAN	TITAN	TITAN

We'd love to hear your business' challenges.

Please feel free to get in touch for more information

T. +31 (0) 40 255 06 07

E. info@vimec.nl

S. www.vimec.nl