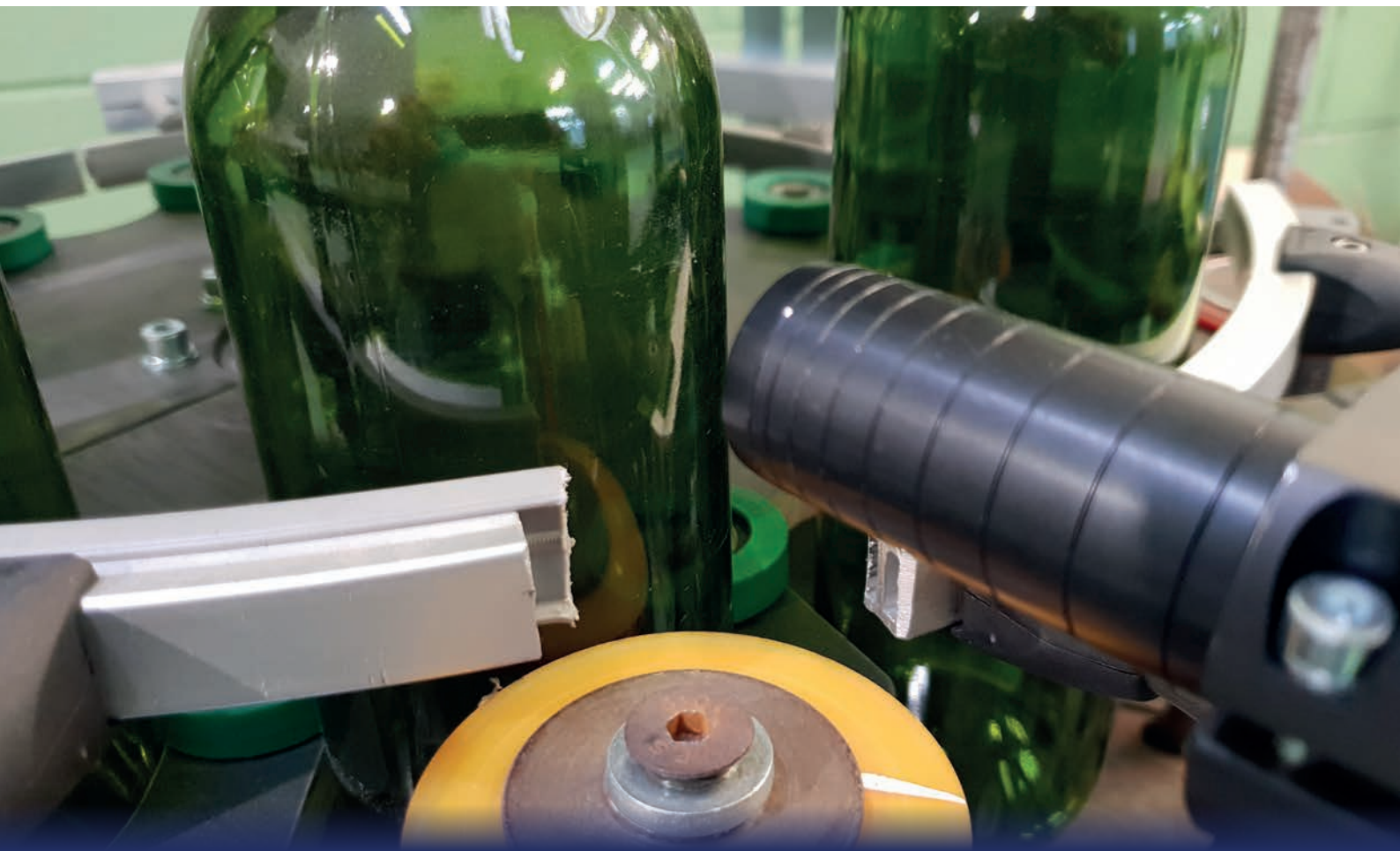


E M C

# AGEVO

wall thickness scan



[electromanteniments.com](http://electromanteniments.com)

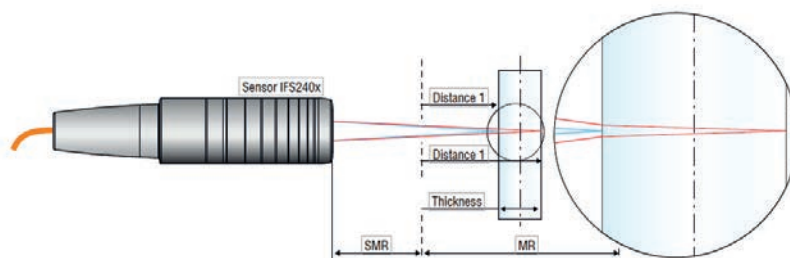
Agevo's system is an assembling of different commercial parts to achieve a standard solution to inspect wall thickness containers.

EMC has developed a wall-thickness inspection solution that will be usefull for all glass plants that will required it.

The aim is to carry out wall thickness inspection using commercial electronic parts and a software developed by EMC. The new system is assembled in the carrousel machine and it must be connected to the reject system to eject bottles that are out of the quality limits. The system must control maximum, minimum, average and ovality results.

We used high-quality products in order to have AGEVO solution.

## CONFOCAL SENSOR TECHNICAL DATA

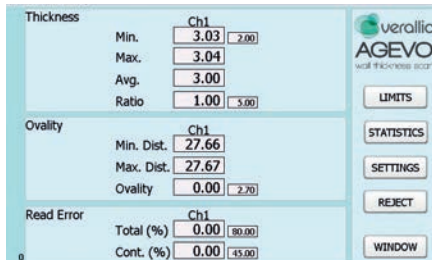


Sensor modell	IFS 2405-3
Measuring range	3mm
Start of measuring range	20mm
Spot diameter	9 $\mu$ m
Linearity (displacement measurement)	0.75 $\mu$ m $\pm$ 0.025 % FSO
Linearity (thickness measurement)	1.5 $\mu$ m $\pm$ 0.05 % FSO
Resolution	36nm
Weight	225g
Max. tilt	$\pm$ 24 $^{\circ}$
Protection class	IP 65, front
Operation temperature	+10 $^{\circ}$ C ... +50 $^{\circ}$ C
Storage temperature	-20 $^{\circ}$ C ... +70 $^{\circ}$ C
Sensor cable (fiber optic cable)	length: standard 3m; option up to 50m; bending radius: static 30mm; dynamic 40mm
Shock	15g, 6ms
Vibration	2g / 10Hz ... 500Hz
Measurements per second	up to 1000

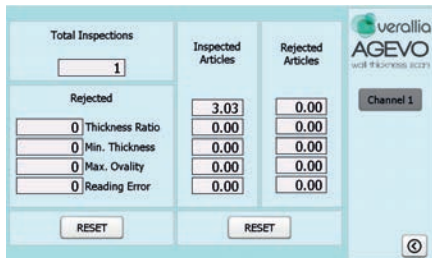
## SOFTWARE SYSTEM

The EMC software has been developed due to the inspection needs of glass plants. An easy interface system can be managed without problem. EMC is the software developer, so our software can be easily modified if a plant requires it. The set up of the equipment can be easily adjusted following the interface signals.

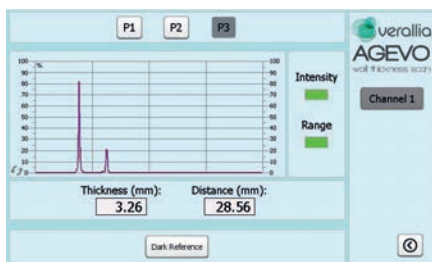
The last 10 inspection results will always appear on the screen.



main screen



statistics screen



settings screen

## AGEVO ADVANTAGES

All the electronics parts are from well-known international companies.

Chromatic Standard inspection on a reduced price.

Easy integration to the inspection carroussel machine.

Non manufacture installation required  
The equipment has a potential to be developed according to the needs of each single plant.

EMC is providing a wall-thickness inspection solution and customer can easily find all the electronic spare parts in their local market.

Agevo can be delivered with one, two, three or four sensors as standard system.

### Technical Data

Inspection range	0,3mm up to 10mm
Depth of field	±8mm
Distance from sensor to the bottle	30mm





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