



# AirGap System - AGS

**Product code:** AirGap System - AGS  
**Manufacturer:** Tecnosens SpA

Laminated glass (eg. Windshield) is produced by inserting a film of plastic material (PVB) between two layers of glass (crystals).

**TECNOSENS AGS** is a tool that allows to identify and measure in a fast and accurate way the gaps that are created between the joined crystals. This gaps are also called mismatches.

**TECNOSENS AGS** system allows to save and analyze all the captured data through statistic methods, highlighting all the points where the glasses don't match perfectly.



## APPLICATIONS

**TECNOSENS AGS** can be adopted with several purposes, including:

- **Mismatch** identification and storage of the laminated glasses in the points of interest
- Check of the thickness of the crystals and of glasses in general

## FEATURES

- **Precision:** each measurement is the result of the average of 100 ACQUISITIONS, thus ensuring precision to the micron.
- **Speed:** the value is captured, saved, elaborated in LESS THAN A SECOND.
- **Traceability:** every measure is stored in a database, accessible at any moment for the whole life of the tool.
- **Statistics:** **AGS** software creates statistic analysis of the measurement. Available also statistic packages for SPC, CAPABILITIES, MSA
- **User friendly:** **AGS** software is easy to use, with graphical interfaces, CHARTS and WIZARDS for configurations.
- **Customization:** **AGS** software, developed by **TECNOSENS**, can be customized in order to meet the customer's needs.
- **Integration:** it is possible to integrate the tool with several peripheral devices, for instance, to find automatically the points to measure or to automate the process (robot)

## OPTIONS

Possible options for **TECNOSENS AGS** include:

- Integration with an automatic sensor's positioning system on the glass to be measured (Robot)
- Interface with industrial PLC through I/O or Ethernet connections thanks to the drivers built by the producers (including *Allen Bradley, Siemens, Omron*).
- Possibility to program events or to generate alarms depending on the productive process.

<b>Working distance</b>	11mm ... 16,4mm ... 29mm
<b>Accuracy</b>	0,8µm ... 3µm ... 9µm
<b>Working frequency</b>	Up to 2000 measurements per second



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<b>Output</b>	Digital output Ethernet / RS232
<b>Measurement range</b>	0,4mm .... 4mm .... 12mm
<b>Working temperature</b>	5°C - 50°C