



**Save Time**



**Save Expense**



**Improve Yields**

Semiconductor fabs and OEMs worldwide value the accuracy, precision and versatility of the WaferSense AGS – The most efficient and effective wireless measurement device for chamber gapping.



WS

# AGS2<sup>®</sup>

## Auto Gapping System 2<sup>™</sup>

## WaferSense<sup>®</sup> Metrology Sensors

**Improve Uniformity and Yield with the Wireless WaferSense AGS2 for Accurate and Repeatable Setups.**

Speeds non-contact gap measurements and parallelism adjustments under vacuum for semiconductor processes such as thin-film deposition, sputtering and etch.

[www.nordson.com/TestInspect](http://www.nordson.com/TestInspect)

**Nordson**  
Test & Inspection

## The Ideal Set-up

Achieve the ideal set-up for your equipment by measuring gaps at three points.

- Quickly achieve exactly the gap you need, using the chamber readings at process pressure in numerical and graphical form, with the easy-to-use Nordson Spectrum software.
- Achieve the best uniformity, whether you need to set a gap that is perfectly parallel or slightly tilted.

## Improve Tool-to-tool Process

Improve tool-to-tool process uniformity with objective and repeatable gap adjustments.

- Have peace of mind by taking the human variable out of adjusting your equipment.
- Make the right adjustments time after time.

Preliminary Specifications	
Form factor	Available in 200mm and 300mm
Software	Nordson Spectrum
Accuracy	± 0.025 mm for gaps up to 30mm
Housing material	Carbon Fiber
Resolution	<0.001 mm (for <30 mm gap)
Range	8 to 30mm (Standard) , 7 to 50mm (Extended - exploratory)
Weight	250 g (300mm)
Operating pressure	<10 <sup>-6</sup> to 760 torr
Temperature	20 to 60 °C
Battery-duration	<3 hrs. per charge
Communication	Bluetooth
Operating system	Windows 10
Product components	Gapping measurement device, charging clean case, carrying suitcase, USB communications link module and application software
Calibration	Factory recalibration recommended annually

- Enable anyone to set the same gap across the tools.

## Reduce Equipment Calibration

Reduce time through live feedback.

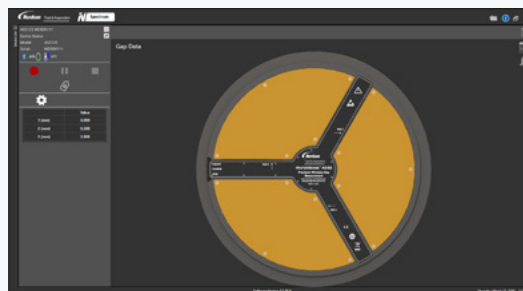
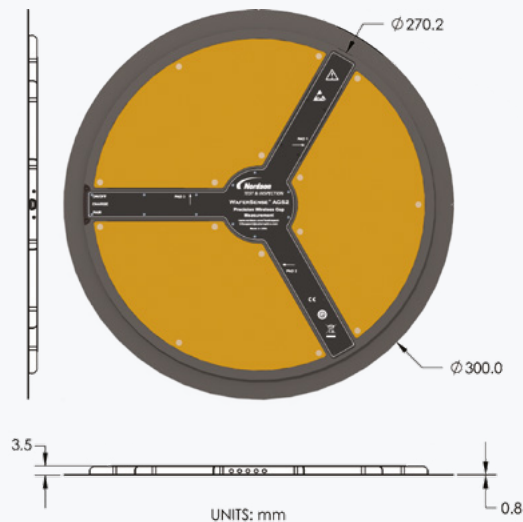
- See the effects of adjustments in real-time.
- Have a clear indication when equipment settings are within tolerance using measurements that can be taken from inside an evacuated process chamber.

## Speed Setups

Speed setups, maintenance and troubleshooting with automatic handling.

- Save time and expense.

### Dimensions (AGS300)



Real-time data.

**For more information, speak with your Nordson representative or contact your Nordson regional office**

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### Nordson Spectrum Software

Displays real-time numerical and graphical data. Easily identify if it is above, below or within the target gap range. View log file data for review and analysis.