



Save Time



Save Expense



Improve Yields

Semiconductor fabs and OEMs worldwide value the accuracy, precision and versatility of the WaferSense ACS – The most efficient and effective wireless measurement device for wafer placement and alignment.



WS

WaferSense®

Auto Centering System™ (ACS)

Metrology Sensors

Speed achieving accurate wafer placement calibration, proper alignment and set-ups.

“Sees” inside semiconductor equipment to capture three dimensional offset data (x, y and z) to quickly center wafers with respect to the focus ring.

Improve Yields

Improve yields and aids predictive maintenance with accurate wafer handoff calibration.

- Capture offset data for accurate calibration of transfer positions as the wafer-like ACS moves through your semiconductor equipment.
- Improve the yield of your manufacturing process with properly calibrated equipment.

Repeatable & Reproducible

Achieve repeatable and reproducible semiconductor equipment setups.

- Eliminate technician-to-technician variation with the ACS calibration which enables repeatable and reproducible setup and maintenance checks.

Reduces Equipment Downtime

From hours to minutes.

- Save time troubleshooting. The wireless and vacuum compatible ACS allows equipment to remain sealed during inspection.
- Increase equipment availability while reducing manpower & consumable expense.

Speed Trouble-shooting

Speed trouble-shooting and lower consumable expense with visual inspection.

- Receive real-time images as robots move the ACS through the tool. New Nordson Spectrum™ software graphical user interface provides x, y and z offsets that eliminate guesswork.
- Inspect gap between focus ring & ESC chuck.

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

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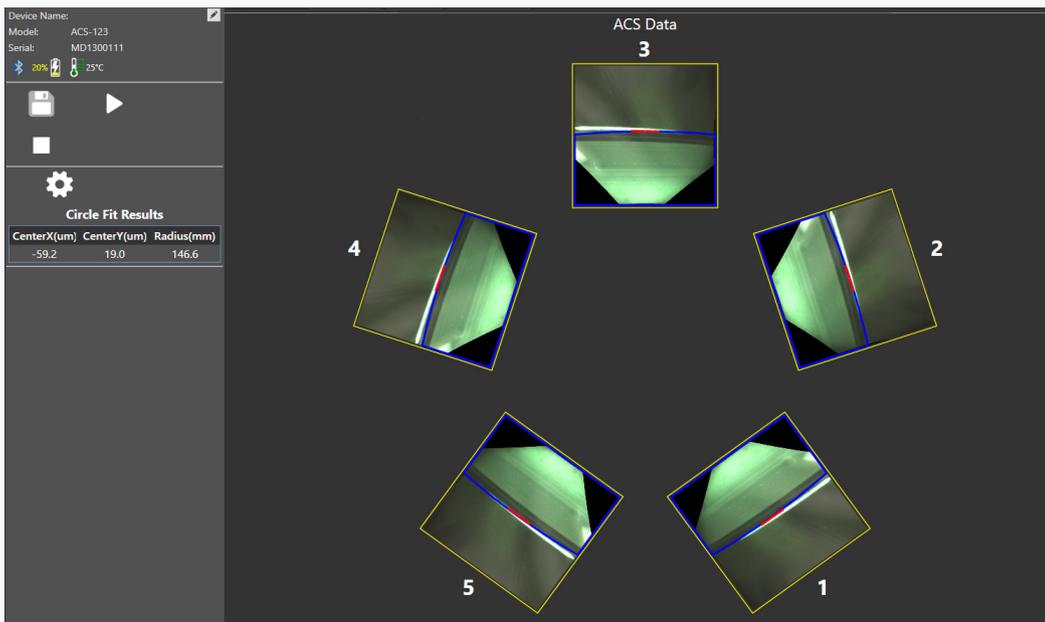
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Specifications	
Form factor	300 mm
Software	Nordson Spectrum
Accuracy	0.075 mm at nominal focus ²
Housing material	Carbon Fiber
Resolution	35mm Centering
Thickness	4.5 mm
Weight	<250 g
Operating pressure	<10 ⁻⁶ to 760 torr
Temperature	20 to 60 °C
Battery-duration	<2 hrs. per charge
Working distance	12 mm to 25 mm
Measurement repeatability	0.070 mm at nominal focus
Communication	Wifi
Operating system	Windows 11
Product components	Teaching device, charging clean case, carrying suitcase, accessory communication gateway
On-board camera	Reports x-y-z offset from teaching to edges inside the equipment so you can teach reticle transfer coordinates with 5 cameras. Color images with white light illumination
Calibration	Factory recalibration recommended annually



Nordson Spectrum Software

Displays real-time video and measurements of target features, logs offsets and user comments. Review functionality integrated; replays log file data for review and analysis.

