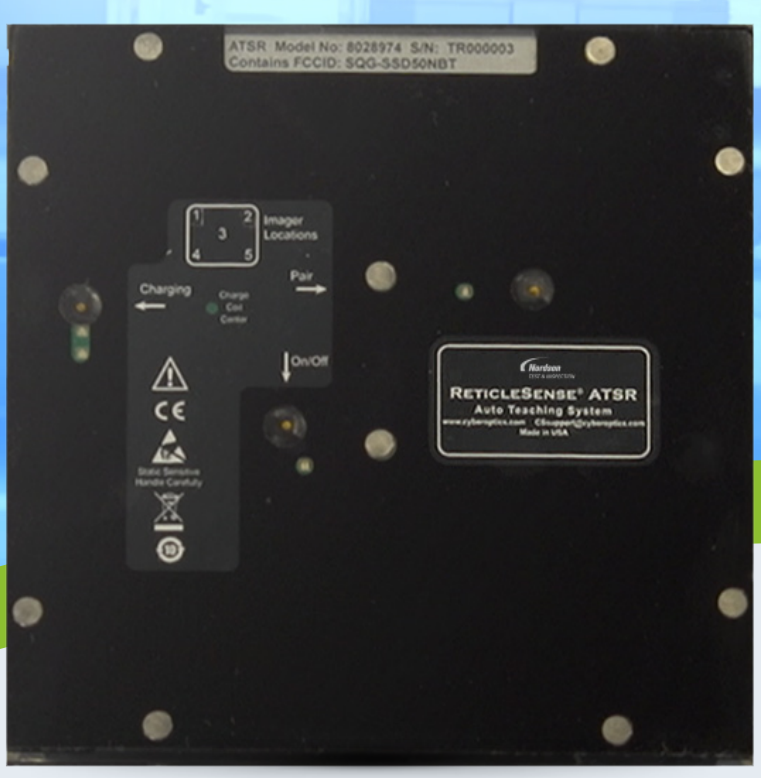
Save Time **Save Expense** **Improve Yields**

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



RS

ReticleSense®

Auto Teaching System™ (ATSR)

Metrology Sensors

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

"Sees" inside semiconductor equipment to capture three dimensional offset data (x, y and z) to quickly teach reticle transfer positions with accuracy to 50µm.

www.nordson.com/TestInspect

Nordson
TEST & INSPECTION

ReticleSense® Auto Teaching System™ (ATSR)

Improve Yields

Improve yields and lower particulate contamination with accurate reticle handoff calibration.

- Capture offset data for accurate calibration of transfer positions as the reticle-like ATSR 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 ATSR calibration which enables repeatable and reproducible setup and maintenance checks.

Reduces Equipment Downtime

From hours to minutes.

- Save time troubleshooting as the wireless and vacuum compatible ATSR allows equipment to remain sealed during inspection.
- Increase equipment availability while reducing manpower and consumable expense.

Speed Trouble-shooting

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

- Receive real-time images as robots move the ATSR through the tool. New CyberSpectrum™ software graphical user interface provides x, y and z offsets that eliminate guesswork.
- Search for lost wafers and pedestal debris without opening the tool.

Specifications	
Form factor	Available in 6” reticle shaped form factor
Part number	8028974
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.
Software	CyberSpectrum
Housing material	Reticle quartz housing compatible with most all mask equipment and scanners.
Weight	230 g ±10%
Thickness	6.35 mm; standard 6” reticle format.
Operating pressure	<10^{-6} to 760 torr
Operating temperature	20 to 60 °C
Communication	Bluetooth
Operating system	Windows 10
Product components	Teaching device, charging clean case, carrying suitcase, accessory communication gateway
Calibration	Factory recalibration recommended annually
Battery-duration	<2 hrs. per charge
Working distance	38 mm to 42 mm
Measurement repeatability	0.025 mm at nominal focus[1]
Accuracy	0.050 mm at nominal focus[2]

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

Nordson Test & Inspection Europe, SEA, Africa
ti-sales-eu@nordson.com

Nordson Test & Inspection Americas
ti-sales-us@nordson.com

Nordson Test & Inspection China
ti-sales-cn@nordson.com

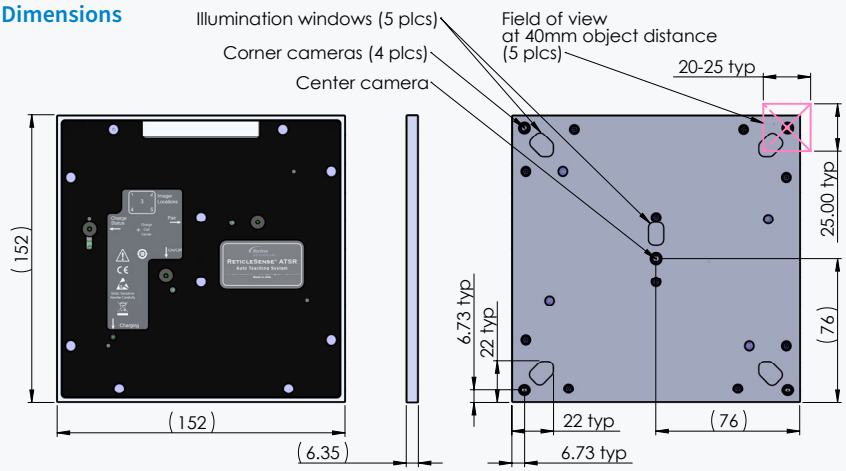
Nordson Test & Inspection Japan
ti-sales-jp@nordson.com

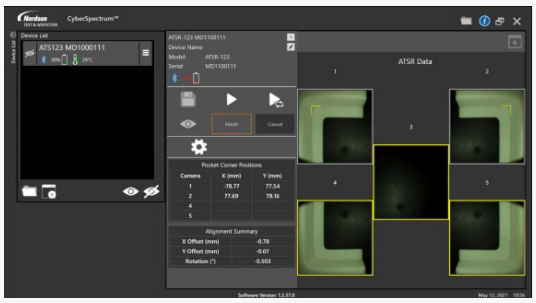
Nordson Test & Inspection Singapore
ti-sales-eu@nordson.com

Nordson Test & Inspection Taiwan
ti-sales-tw@nordson.com

Nordson Test & Inspection Korea
ti-sales-korea@nordson.com

Dimensions





Real-time data.

CyberSpectrum™ 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.

1. Measured on test artifact under identical conditions.
2. Measured on test artifact at atmospheric pressure & room temperature.

www.nordson.com/TestInspect

DS-ATSR-200624

Nordson TEST & INSPECTION