

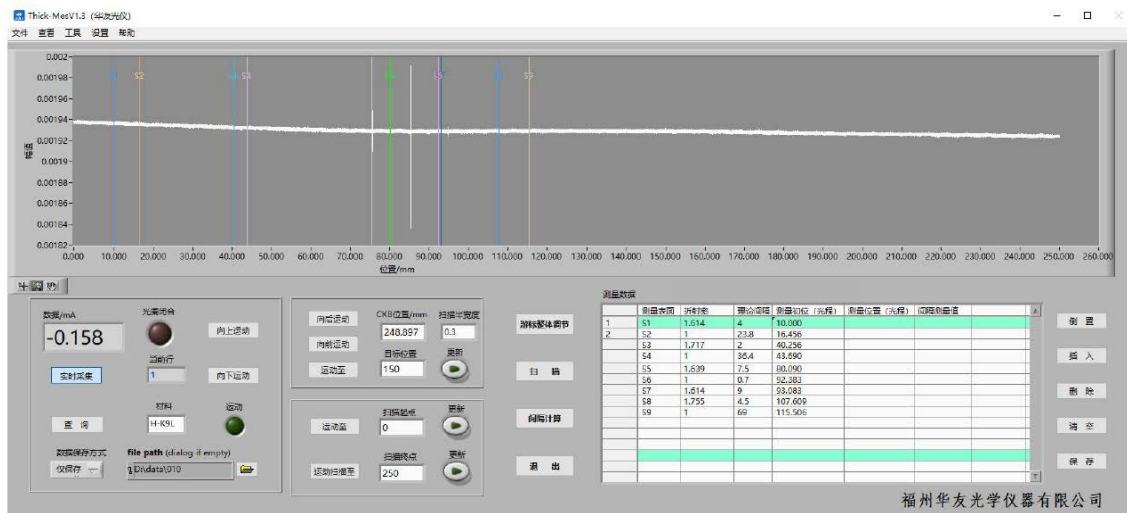
Non-Contact Air-Gap Tester (AST)

Non-Contact Air-Gap Tester also named Lens surface positioner(or Scanner), it is based on the technique of low coherence interferometry to precisely locate the lens surfaces, thus achieve the precise measurements of lens thickness and air gap. Compared with the traditional one-by-one mechanical contact testing, all the lens thickness and air spacing could be measured at the same time in one scan, and the software could show the results directly. It could combine with the Lens eccentricity tester(such LensCT-DAF or LensCT-AF) to realize one-stop measurement of tilt, offset, and air-gap for all the material with transparent or semitransparent. The measurement is non-contacting, higher precision and efficiency.



Main Characters:

- Non-Contact: No damagable testing
- High efficiency: Measure all the lenses thickness and all air-gap in one scanning
- Dual-wavelength: contain both 1310nm (measurement) and 632nm(indicator) Laser
- High convenience: Easy operation, With software, show the results in digital
- One-stop tester: combine with the Lens eccentricity tester to realize measurement of tilt, offset, and air-gap for all the material with transparent or semitransparent



Main Specifications				Main Parts
P/N	AST300	AST600	AST800	● Air-Gap Tester
Range (optic-path)	300mm	600mm	800mm	● Scan Collimator
Laser wavelength	Measurement: 1310nm; Indicator: 632nm			● Motorized controller
Accuracy	Resolution: 0.2um, Accuracy: ±1um			● Laser Drivers
Testing Speed	15s/100mm			● English Software & PC