

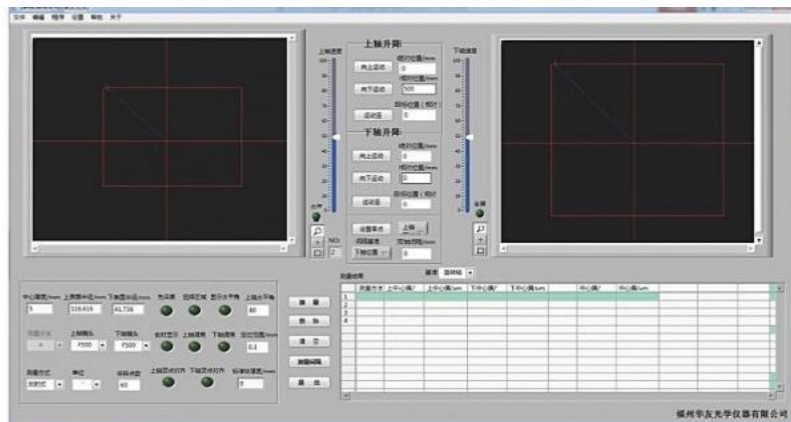
Dual-path IR lens eccentricity Tester LensCT-VDR

LensCT-VDR is a high precision, non-contact optic-centration testing equipment with Dual measurement head. Both measurement head could auto-focus and detect the Lens centering for Lens, especially for IR material lens(Such as Si, Ge). The lens rotates around the mechanical axis of the outer cylindrical surface during the measurement, and the Upper/Lower Autocollimators simultaneously detect the coordinate position of the double-sided sphere center of the infrared lens, the software would calculate the surface inclination angle of the double surface, the deviation of the optical axis (the axis of the two sphere centers) relative to the mechanical axis, or the deviation of the normal of the lens reference surface. The operation is simple(needn't flip the surface), and the measurement data is displayed in real time and automatically saved. It can also be expanded to add an air-floating turntable to realize the rotation of large-caliber infrared lenses without relative movement, avoiding surface scratches during the measurement process, etc.

Main Features

- ◆ One loading for double-sided measurement, multiple data output;
- ◆ Both transmission and reflection eccentricity measurement mode;
- ◆ Vacuum adsorption ensures rotation stability and the reference surface;
- ◆ Auto-lifting, auto-rotation, digital output of testing results;
- ◆ Can expand to add radius & EFL measurement function, etc.

Measurement software



Main specifications		Main Parts of Equipment
Testing range(mm)	±3~±1000(Scalable)	<ul style="list-style-type: none"> ◆ Dual-path autocollimator (with CCD) ◆ Dual-path step motors & controller ◆ Lens rotation table & tooling ◆ Achromatic relay objective lens set (F50/100/300, etc.) ◆ Vacuum adsorption and testing software, etc.
Testing Aperture (mm)	Dia 3~200(Scalable)	
Measurement accuracy	±0.2μm(or±2")	
Dimensions(cm)	LxWxH: 50X50X170	
Net weight	80Kg	