

High Precision Cylinder Eccentricity Tester



LensCT-HTR is a high precision eccentricity tester designed for Cylinder Lens and Rectangular shape spherical Lens. The horizontal layout could allow the testing lens stand on station with the datum surface and prevent the polished surfaces for any damage. It includes both Transmission and reflection mode testing, and could be used for perpendicularity, parallelism and output beam deviation testing as well.

Main Functions:

- ◆ Cylinder axis Center offset testing;
- ◆ Cylinder Wedge deviation testing;
- ◆ Cylinder axis tilting testing;
- ◆ Side Perpendicularity testing;
- ◆ Rectangular Spherical Lens testing;
- ◆ Output Beam Deviation testing;

Software:

- 1、Easy Operation ;
- 2、Straightforward;
- 3、Real-time;
- 4、Auto-recording

Main Specifications:

CCD connection	USB
Accuracy	$\pm 1 \mu\text{m}$
Testing Range	$\pm 3 \sim \pm 450\text{mm}$
Size(LxWxH)	180X30X40cm
Weight	80Kg

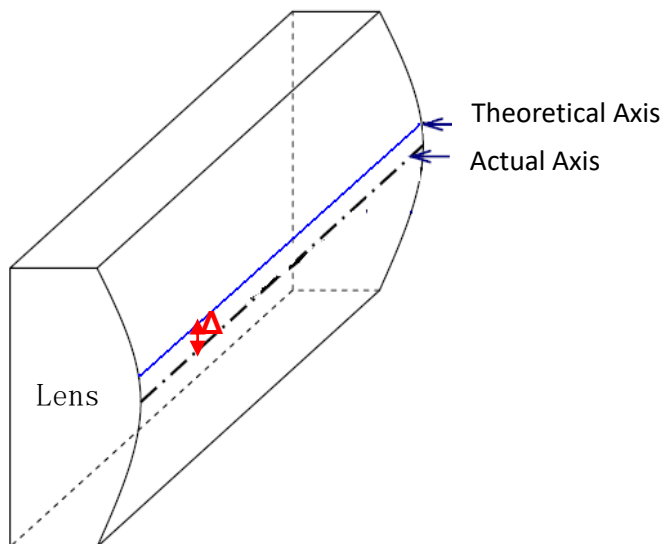
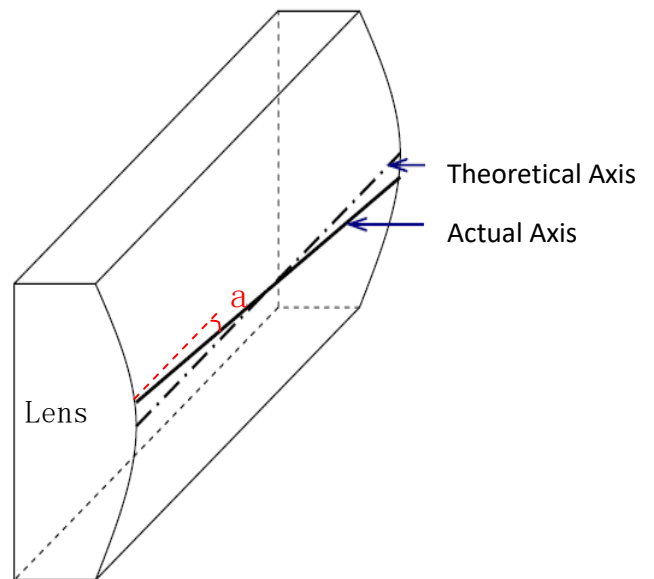
Main Parts:

- Lightsource: 220V/150W
- AutoCollimator (With CCD)
- Collimator with adjustor
- Relay Lenses: F50/100/200/300
- Multi-adjustable platform
- Friendly Measurement Software

Principle and Cylinder eccentricity definition:

Cylinder axis Tilting

The equipment detect the axis position close to both ends, and then calculate the tilting angle “a”, and directly show the data.



Centration offset (Shift)

The equipment detect the axis position refer to the top and the bottom surfaces, and then auto calculate the shift “Δ”.

Cylinder wedge

The equipment measure the beam output deviation and then auto convert to the wedge angle.

