

OWI 150 XT 1250

High Precision Interferometer for Spherical Optics up to \varnothing 150 mm



Performance Data (abstract):

Dimensions (LxBxH) (Without Computer Table) 1150x1500x2400mm

Working Range \varnothing 1 to 150 mm

Travel Z-Axis 1250 mm

Highlights:

Stainless steel machine base

3 passive air shock-absorbing elements with granite tower for highest precision and rigidity

Radii slide with free of play prestressed antifriction bearing, driven by servo motor. Joystick for variable speed travel up to 1250 mm

3 axis precision adjustable table (free of play antifriction bearing in all axes)

Heidenhain glass scale with 3 μ m measuring accuracy of the total travel for absolute measuring precision of the radii

Laser alignment of the Z-Axis for electronic compensation (including measuring protocol)

Innovative mounting of the current types of interferometers (Zygo GPI 4 Inch and 6 Inch and OptoTech Inspect mini EL)

Space saving mounting design for easy accessibility due to redirection of radiancy axes via mirror system

Options: OWI 150 XT 1250 2T: Expandable to a Two Table Version (Asphere Measuring and System Measuring); Computer Table; Plano Measuring with Additional Tip/Tilt Table

Range of Application:

For measuring and testing of spherical optics. Plano surfaces, aspheres and systems in double rounds