OptoTech

OWI 150 XT invers

Interferometer for Spheres and Aspheres

High precision Fizeau workshop interferometer OWI 150 XT invers for testing of spherical and aspherical surfaces. High precision kinematics and a working range up to Ø 150 mm make this measuring machine an indispensable tool for the production of high-end optics.

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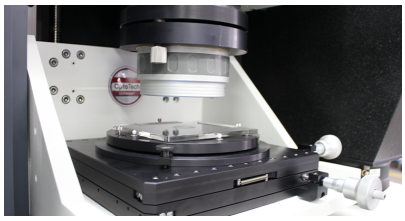
Technical Data

	OWI 150 XT invers
Measuring Range Diameter (4“ module)	0 mm - 100 mm
Measuring Range Diameter (6“ module)	0 mm - 150 mm
Measuring Range Radius	Depending on reference sphere
Power Requirement (others on request)	1 KW
Dimensions	Width: 1350 mm, Height: 2400 mm, Depth: 1600 mm
Weight (approx.)	1600 kg



Highlights

- High precision Fizeau workshop interferometer for testing of spherical and aspherical surfaces.
- High precision kinematics and a working range up to Ø 150 mm make this measuring machine an indispensable tool for the production of high-end optics
- Measuring stand made of shock-absorbing granite for highest accuracy and rigidity
- Mounted on passive air dampening elements on stable steel base frame
- Radii slide with free from play pre-loaded antifriction bearing, driven by servo motor, variable speed via joystick, travel 1050 mm
- 3-axis table (5-axis table available on option)
- Heidenhain glass scale with 5 µm measuring accuracy for the total travel for absolute measuring precision of radii, scale mounted close to the optical axis (Abbe’s principle)
- Innovative, service friendly mounting of current types of interferometers incl. analysis software
- Different powerful interferometer module options (LT Ultra Modules 4" / 6" or Zygo QualiFire 4" / 6") and compatible software solutions for evaluating your measurement results available

System Advantages

- Optimized for use at the production level
- Robust base frame and dampening elements for minimum vibration during operation
- Highest accuracy and rigidity

Options

- Two table version (asphere- and system measuring options)
- Laser measuring system optional for 1-table version
- Plano measuring by additional tip and tilt table
- Various ring holders
- UP radius measurement via Renishaw-Laser with Zygo MX

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