



# OptoTech

## OWI 150 XT invers

Workshop Interferometer for interometrical form measuring of spherical and aspherical optical components

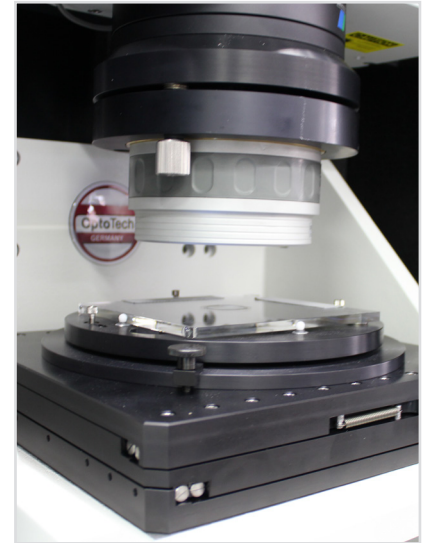


High precision Fizeau workshop interferometer OWI 150 XT invers for testing of spherical and aspherical surfaces. High precision kinematics and a working range up to  $\varnothing$  150 mm make this measuring machine an indispensable tool for the production of high-end optics.

Smart Solutions for Professionals



Type	OWI 150 XT invers
Available interferometer modules	MAHR MarOpto FI 1100 Z, Zygo VeriFire (XPZ, QPZ, ATZ), ÄPRE S100 HR, ÄPRE S150 HR
Measuring range diameter	ø 150 mm (6" module) ø 100 mm (4" module)
Measuring range radius	depending on reference sphere
Travel	1050 mm (2-Table version: 800 mm)
Measuring accuracy	$\lambda/20$ (depending on reference sphere)
Power requirement	1.0 KW
Interface	4" or 6" Bayonet-Interface (depending on interferometer module)
Mass	approx. 1600 Kg
Dimensions (W x D x H)	approx. 1350 x 1600 x 2400 mm



- Optimized for use at the production level
- 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  $\mu\text{m}$  measuring accuracy for the total travel for absolute measuring precision of radii, scale mounted close to the optical axis (Abbe's principle)
- Innovative MAHR, Zygo and ÄPRE Interferometer modules incl. analysis software

#### Options:

- Two table version (asphere- and system measuring options)
- Plano measuring by additional tip and tilt table
- Various ring holders

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