

- Fizeau Interferometer
- 4" -System
- Tabletop system
- Automatic interference evaluation

4"



LT ULTRA
OUR PROFESSION IS PRECISION

SYSTEM 4"

Laser based Fizeau-interferometry
Exchangeable spherical references
Bayonet lock
Standard series: 0,75 / 1,0 / 1,5 / 3,3 / 7,2
System quality: $\lambda / 10$
X-Y-levelling
Z- coarse / fine adjustment
Resolution: 768 x 576 Pixel
Z- travel: 500 mm
Dimensions: 950 x 330 x 400
Weight: ca. 40 kg

LASER SPECIFICATION

Type:	Helium-Neon class II
Wavelength:	632,8 nm
Output power:	1,5 mW

OPTIONS

- Automatic fringe analysis
 - Piezo phase- shift unit
 - Software based on Windows 7
- High-resolution Camera
- Z- scale for precision radius measurement
- Reference flat

LT ULTRA
OUR PROFESSION IS PRECISION

Aftholderberg, Wiesenstraße 9
Germany-88634 Herdwangen-Schönach
Tel. +49 (0) 7552 / 40599-0
Fax +49 (0) 7552 / 40599-50
eMail: info@lt-ultra.com
www.lt-ultra.com



LT ULTRA
OUR PROFESSION IS PRECISION



ULTRA - PRECISION MEASURING SYSTEMS

INTERFEROMETERS

12"
6"
4"

4"
6"
12"

INTERFEROMETERS

ULTRA - PRECISION MEASURING SYSTEMS

- Fizeau Interferometer
- Measuring diameters from 4" to 12"
- Granit base
- Passive vibration isolation system
- Automatic interference evaluation



INTERFEROMETER

12"

SYSTEM 12"

Laser based, contactless, 3D optical phase-shifting interferometry

Measurement of flatness characteristics of superfinished, highly reflective surfaces and optics (with additional components lapped surfaces as well)

Sample feeding: horizontal (option: vertical)

System quality: $\lambda / 8$

LASER SPECIFICATION

Type:	Helium-Neon class II
Wavelength:	632,8 nm
Output power:	1,5 mW
Beam polarization:	circular

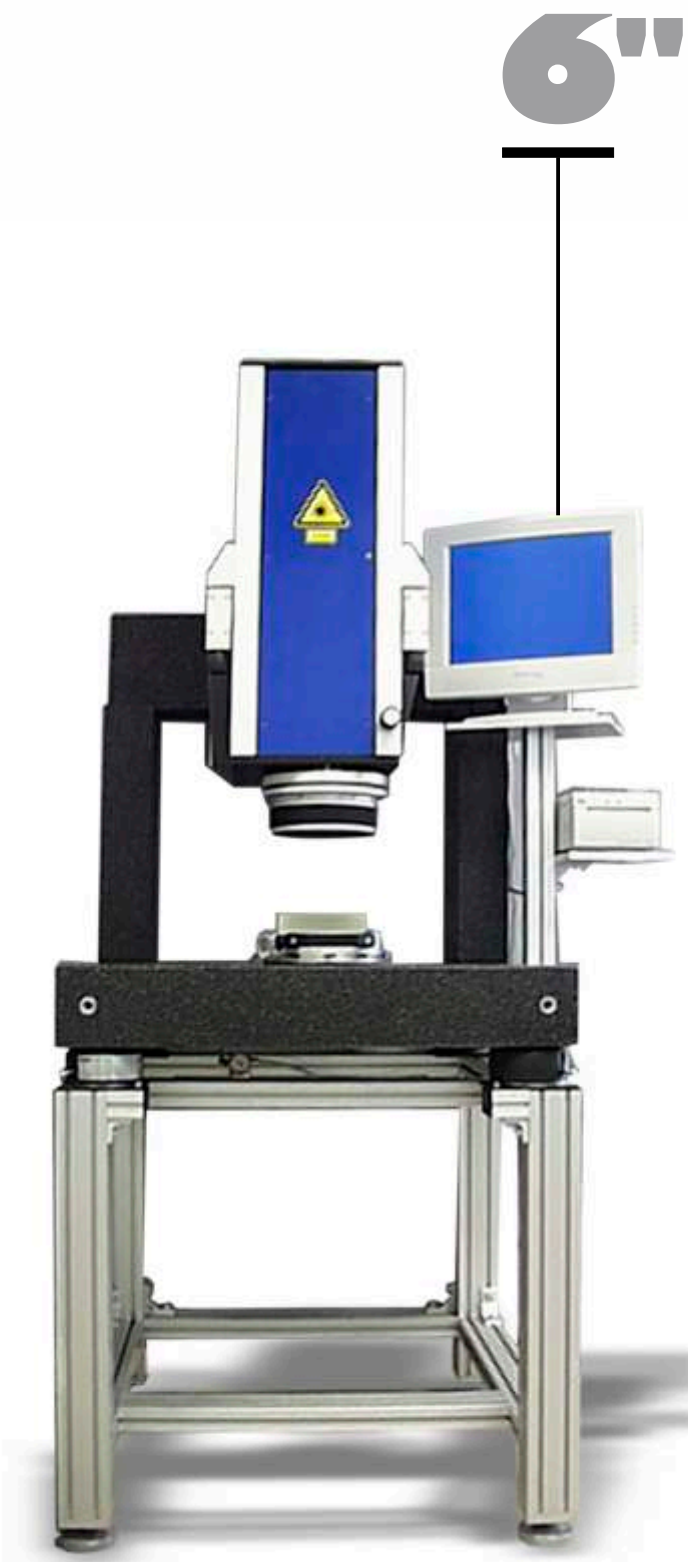
SOFTWARE

- Live image on screen
- Software for Windows 7
- Automatic report generation
- 2D and 3D graphics
- Calibration manual/automatic

OPTIONS

- Zoom
- System quality: $\lambda / 10$
- High-resolution Camera

- Fizeau Interferometer
- Measurement aperture 6"
- Granit base
- Passive vibration isolation system
- Automatic interference evaluation



6"

SYSTEM 6"

Laser based, Fizeau-interferometry

Measurement of flatness characteristics of superfinished, highly reflective surfaces and optics (with additional components lapped surfaces as well)

System quality: $\lambda / 10$

Sample feeding: horizontal (option: vertical)

Dimensions: 800 mm x 800 mm x 2000 mm

Resolution: 768 x 576 Pixel

LASER SPECIFICATION

Type:	Helium-Neon class II
Wavelength:	632,8 nm
Output power:	1,5 mW
Beam polarization:	circular

OPTIONS

- Automatic fringe analysis
 - Piezo phase- shift unit
 - Software based on Windows 7
- Zoom
- High-resolution Camera