



### *Crystaltechno Ltd.*

checks the optical components surfaces irregularity using interferometer Zygo Mark IV and IntelliWave Software.

#### Checked Optics Surfaces

##### 1 Plane surfaces (windows, plane-parallel plates, flat mirrors, prisms flats)

Dimensions: diameter up to 500 mm  
Flatness: 2 Lambda/50 at 632.8 nm per dia. 100 mm  
Irregularity: 2 Lambda/50 at 632.8 nm per dia. 100 mm

##### 2 Concave surfaces (spherical lenses and mirrors)

Dimensions: diameter up to 500 mm  
Surface radius: from 5 mm up to 600 mm  
Surface curvature: 4 Lambda/50 at 632.8 nm per dia. 100 mm  
Irregularity: 4 Lambda/50 at 632.8 nm per dia. 100 mm

##### 3 Convex surfaces (spherical lenses and mirrors)

Dimensions: diameter up to 90 mm  
Surface radius: from 5 mm up to 600 mm  
Surface curvature: 4 Lambda/50 at 632.8 nm per dia. 100 mm  
Irregularity: 4 Lambda/50 at 632.8 nm per dia. 100 mm



We offer the manufacturing of optics with the improved parameters from following materials: glass BK7, fused silica, crystals (sapphire Al<sub>2</sub>O<sub>3</sub>, silicon Si, germanium Ge, ZnSe (Zinc Selenide), CaF<sub>2</sub> (Calcium Fluoride), BaF<sub>2</sub> (Barium Fluoride), MgF<sub>2</sub> (Magnesium Fluoride), LiF (Lithium Fluoride)). The specification of made optics depends on material chosen by customer.

*If you are interested please feel free to contact us! You can receive the additional information*

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