



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 Al₂O₃, silicon Si, germanium Ge, ZnSe (Zinc Selenide), CaF₂ (Calcium Fluoride), BaF₂ (Barium Fluoride), MgF₂ (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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