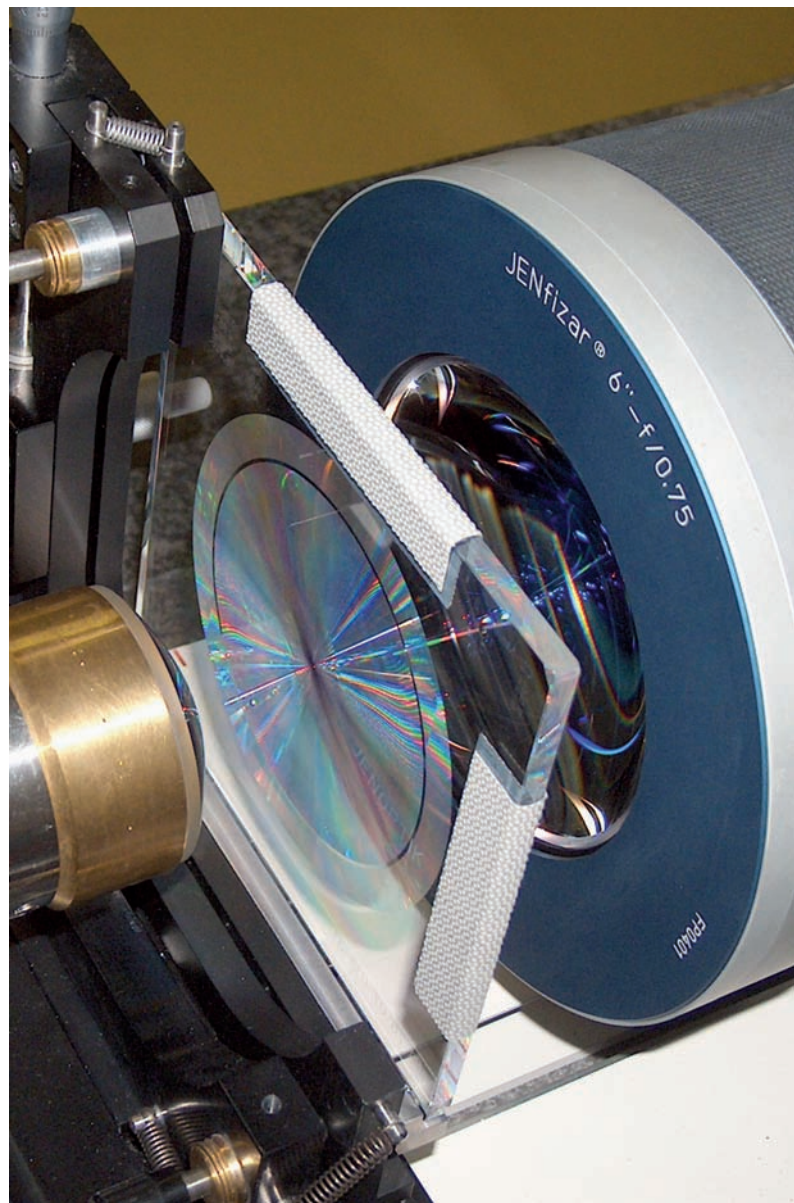


Computer Generated Holograms (CGHs) For testing aspheres

Applications:

- Precision interferometric tests for manufacturing of high quality lenses
- Surface tests of aspheres may be precisely and efficient carried out by means of CGH
- Custom-tailored consultation, design and manufacturing of a suitable CGH for your measurement tasks



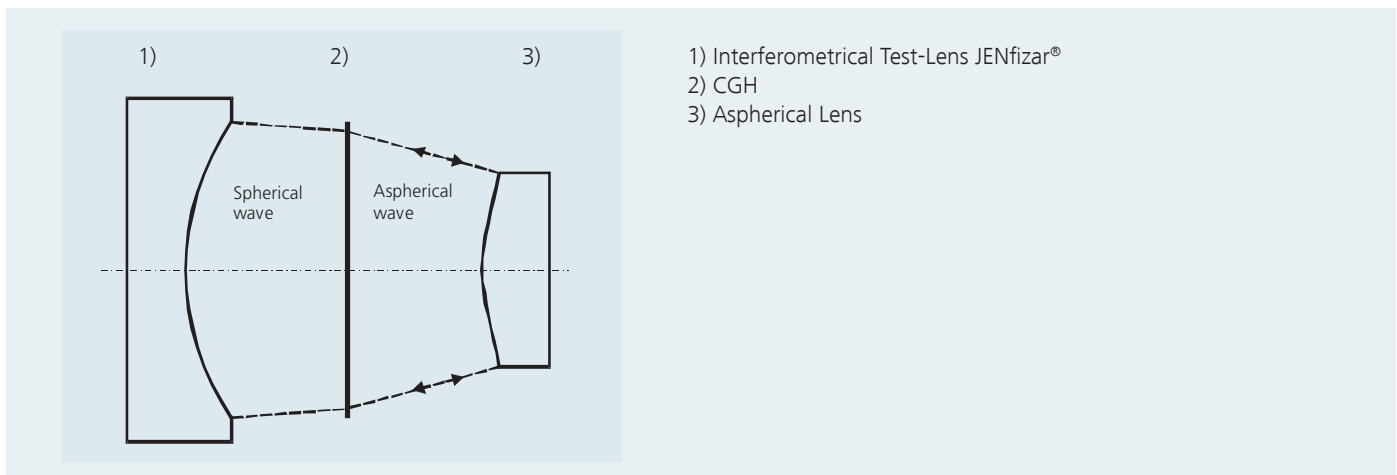
Computer Generated Holograms (CGHs)

Specifications

CGH-Substrate	Units of Measure	Quality
Material	-	Fused Silica
Dimensions	mm ³	152.0 × 152.0 (± 0.4) × 6.35 (± 0.10)
Max. Thickness difference:	µm	5
Max surface flatness	µm	2* (in the central region with Ø = 140 mm)

CGH-Structure	Units of Measure	Quality
Type	-	Binary phase or amplitude gratings for spheres, aspheres and cylinders
Alignment-structure	-	Binary grating at the rim of the CGH
Critical dimension	µm	1.0
Position accuracy	nm	50
Etching depth accuracy	nm	± 1% (e.g. 692 nm ± 1% for 633 nm wavelength)
Etching homogeneity	-	± 3% (in the central region 135 mm × 135 mm)

* Higher quality on request.



It is our policy to constantly improve the design and specifications of our products. Accordingly, the details represented herein cannot be regarded as final and binding..