

ASPHERICAL OPTICS



Senop provides high-quality custom aspherical and freeform optics utilizing the latest technology in designing tools, optics, and optical coating machinery with the highest metrology equipment.

Our products are manufactured in Finland with high-precision, ranging from specialty quantities to large volume serial production with over 75 years of experience and expertise in optics.

We have complete in-house service and manufacturing chain from optical designing, measuring services and prototyping to completed devices.

ASPHERICAL OPTICS

Specifications

Materials

Fused silica
Sapphire
Zerodur
Crystalline materials
Optical glasses
IR materials

Dimensions & forms

Diameter:	13 - 200 mm
Thickness tolerance:	0,01 mm
Local concave radius of curvature:	> 13 mm
Centration, ETD:	> 3 μm
Centration, Asph. decenter:	> 3 μm
Form:	> 0,3 μm

Measurements

Surface form measurements performed with the state-of-the-art metrology tools:

Interferometric measurements by using Tilted-wave interferometer and tactile measurements by using MarSurf LD 260 Aspheric 3D.

Coating services

Coating design and production customized for your need from UV to IR ranges.



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