

PRESSEINFORMATION

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Aspheres for the highest demands

As a manufacturer of high-quality optical components, assemblies and systems, the Berliner Glas subsidiary **SwissOptic** has established itself, thanks to new developments in asphere technology, as a supplier of high-quality aspheres in small production batches. They offer a considerable advantage over normal aspheres in the testing and qualification of optics in the production and metrology sectors.

The concave or convex aspheres have a maximum diameter of 120mm and are produced with an accuracy of $\lambda/10$, depending on the geometry.



The aspheres are finely polished on special machines and receive a flat surface, which can be adjusted immediately and normally means that one working stage, polishing, can be omitted. The measuring is carried out using our own specially adjusted metrology techniques with asphere interferometers or holograms.

Swissoptic focuses on high-quality small batches, which are very important for precision, flexibility and in order to guarantee the shortest possible delivery times. Aspheres are used, for example, in high-tech objectives for tests or for laser and camera systems.

With the development of aspherical optics we support the rising demands of customers for high-quality aspheres and thereby supplement our range of optical skills.

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