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FISBA manufactures small optical windows with customer-specific form, polishing and coating

Protective Glass at the Price of Plastic

FISBA OPTIK AG has improved the process for precise manufacturing of small optical windows in high quantities. This allows for using technical and optical glass instead of plastic – at a competitive price. Material, design, polishing and coating are highly customizable.

Transparent covers are increasingly in demand for protecting high-class optical systems of mobile phone cameras, mini-projectors or micro-scanners. Optical windows are also required in medical and laser technology, telecommunications and for opto-electronic components and sensors. Due to cost reasons, plastic has thereby often been used instead of glass.

«The customers are demanding for more and more quality and light yield at an attractive price, especially with smart phones and mobile projectors.», explains Matthias Falk, Project Manager at FISBA OPTIK AG. *«Glass and the coatings applied thereon are more resistant to scratches, temperature and moisture compared to using plastic – glass offers a clear plus».*

FISBA is now able to drastically reduce the cost per unit for optical windows made of glass. Thereby, a large variety of technical and optical glass types can be used. The possible forms are manifold: round, elliptical, triangular and even polyangular, with individually designable lateral surfaces, edges

and even notches. The precision of the form lies at +/- 0.01 mm with +/- 0.02 mm for the thickness.

The small windows that FISBA produces in lots starting at several 100,000 pieces can have a thickness between 0.5 mm and 5.0 mm at a circle diameter of 0.5 mm to 5.0 mm. Top, bottom and lateral surface are polished customer-specifically (polish quality up to P3) and coated dielectrically or metallically. This allows for achieving various cosmetic and functional effects.

Visit FISBA OPTIK AG in 2012 at the [Hannover Messe MikroNanoTec](#) from April 23-27 in Hannover, the [AKL](#) from May 09-12 in Aachen and the [Optatec](#) from May 22-25 in Frankfurt, Germany.

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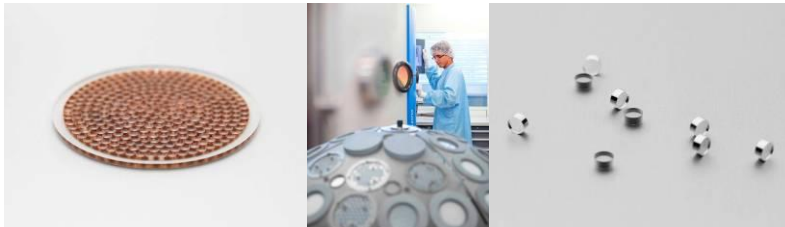


Photo caption: FISBA OPTIK AG manufactures large quantities of small optical windows made of glass. The polished and coated components are supplied at a competitive price that allows for replacing lower-quality covers made of plastic. Source: FISBA OPTIK AG

Image in printable quality: www.oha-communication.com/fisba

Information for editors:

FISBA OPTIK AG is one of the world's leading suppliers of customized optical components, systems and micro systems, supplying products for medical applications, as well as biophotonics, the machine industry, industrial imaging and sensors, laser industry and aerospace.

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