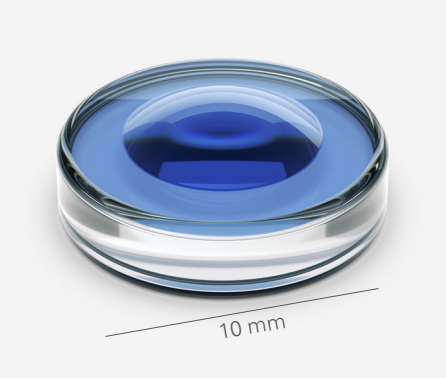
FISBA Innovators in Photonics

Precision Molded Glass Optics
For imaging systems and laser beam shaping

Customized double-sided aspheres, off-axis aspheres and acylindrical lens arrays.

Your Benefits

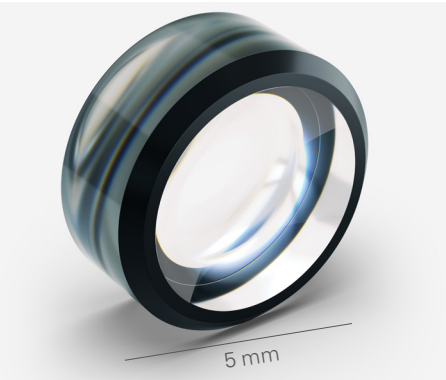
- **Lower Weight & Size:** Precison molded aspheres reduce your end product weight and size.
- **Optical Design Support:** Customized optical design to your needs.
- **Production setup:** From prototype to volume manufacturing.
- **Full services:** Centering, truncating, coating, cementing, blackening, tactile measuring technology, metrology and assembling in-house.
- **ISO13485 certificated:** Committed delivering optical components and systems with the highest reliability and quality meeting medical standards.



PML asphere with customized coating

Technical Data

- Irregularities down to 160 nm PV
- Moldable glass types with refractive indexes from 1.5 – 1.9
- Moldable glass types abbe numbers from 21 to > 80
- Achievable precision suitable for imaging optics and laser beam shaping
- Possible geometries:
  - Aspheres
  - Double-sided aspheres
  - Off-axis aspheres
  - Acylindircal and cylindrical lens arrays



PML with black chrome coating

Applications

- Endoscopy
- Analytics
- Intra-oral Scanners
- Hyperspectral Imaging Optics
- Diode Laser Beam Shaping
- Process Monitoring
- Low Light Imaging (NIR)
- Laser Range Finders

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