

Flat Optics

components & cemented assemblies



FISBA not only has the production for flat optical components (porro prisms, polygons, windows, mirrors, wedges) chain in house but can develop entire systems built-to-spec or support customers in the development of their own optical solutions, whether by optical designers, coating designers or flat optics production technologists.

Technical Data

- Edge length: 0.8 mm to 50 mm
- Angular accuracy: depending on the angle up to 2''
- Surface form deviation: 3 / PV(0.05)
- Polish grade according to ISO 10110-8: P4
- Surface imperfection: according to ISO 10110 or MIL-PRF-13830B: 10-5

FISBA Capabilities

- Complete in-house production for flat optical components and cemented assemblies > 0.7 mm
- In-house optical and coating design services
- Customer support in optical design, coating design and development of needed production technologies
- Prototype to volume manufacturing

Your Benefits

- Metrology reports with state-of-the-art equipment (interferometers, goniometers, projectors, spectrophotometers)
- Coatings by FISBA
- Development and production under one roof

Industries & Applications

- Life Sciences
- Medical systems
- Endoscopy
- Aerospace & Defense