

Plano Optics

Complex components and assemblies

Custom prisms, polygons, windows, mirrors and wedges from one source.

Your Benefits

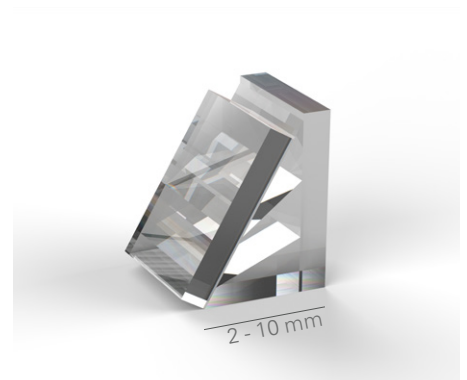
- **Minituarization:** High-precise plano optical components and cemented assemblies down to 0.8 mm
- **All from one source:** Complete in-house development and production, inclusive in-house coating
- **Operational excellence:** Production setup from prototype to volume manufacturing
- **Reported performance:** Metrology reports with state-of-the-art equipment (interferometers, goniometers, projectors, spectrophotometers)



Complex roof prism

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
- Coating:
 - AR from 350 to 3000 nm
 - Mirrors (silver, aluminium, dielectric)
 - NPBS / BPS
 - Bandpass filter
 - Dichroic filter



Prism assembly with mirrors and AR coating



Applications

- Medical Technology
- Endoscopy
- Analytical Instruments
- Machine Vision
- Aerospace & Defense