



Customized Modules.
High-Performance for Illumination and Imaging.

Customized Modules.

Applications

Fields of application:

- Illumination
- Imaging

Products e. g.:

- Zoom modules
- Relay optical systems
- Beam conditioners
- Homogenizers
- Condensers
- Telescopes
- Lenses

Specifications

- Module sizes up to 500 mm
- Mobile components which can be shifted pneumatically or via piezo technology
- Modules can include polarization optics
- Integration of optical bonding
- Wavelength 193–1,500 nm

Housing

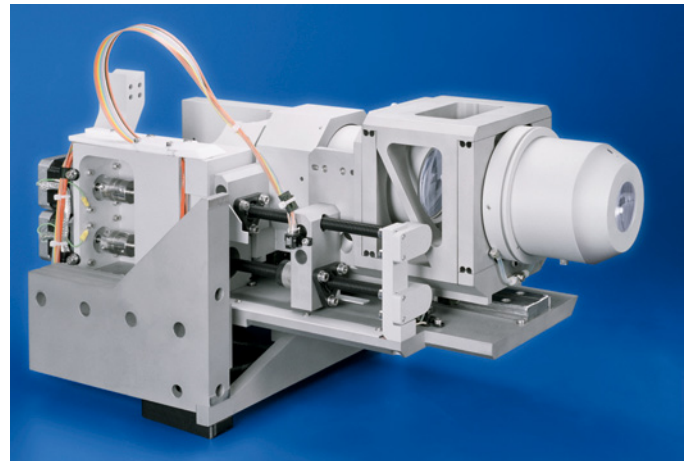
- Materials: Aluminum, steel, stainless steel, titan and nickel plated aluminum
- Nitrogen or clean dry air flushed

Test & Qualification

- All test & qualification inhouse
- Qualification in operating position
- Optimization
- Alignment

Customized Metrology

- Measurement development inhouse
- Measurement of
 - Boresight errors
 - Distortion
 - Wavefront
 - Spectral reflection/transmission
 - Field of curvature
 - Focal length for field angle
 - Objective & image position
- Metrology for alignment
- Magnification
- All measurements in function orientation



Clean Room Production

- Assembly/Mounting
- Adjustment
- Measurement
- Clean room class ISO 5 with AMC* (VOC**)

* airborne molecular contaminations
** volatile organic compounds

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