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