



WZW OPTIC AG

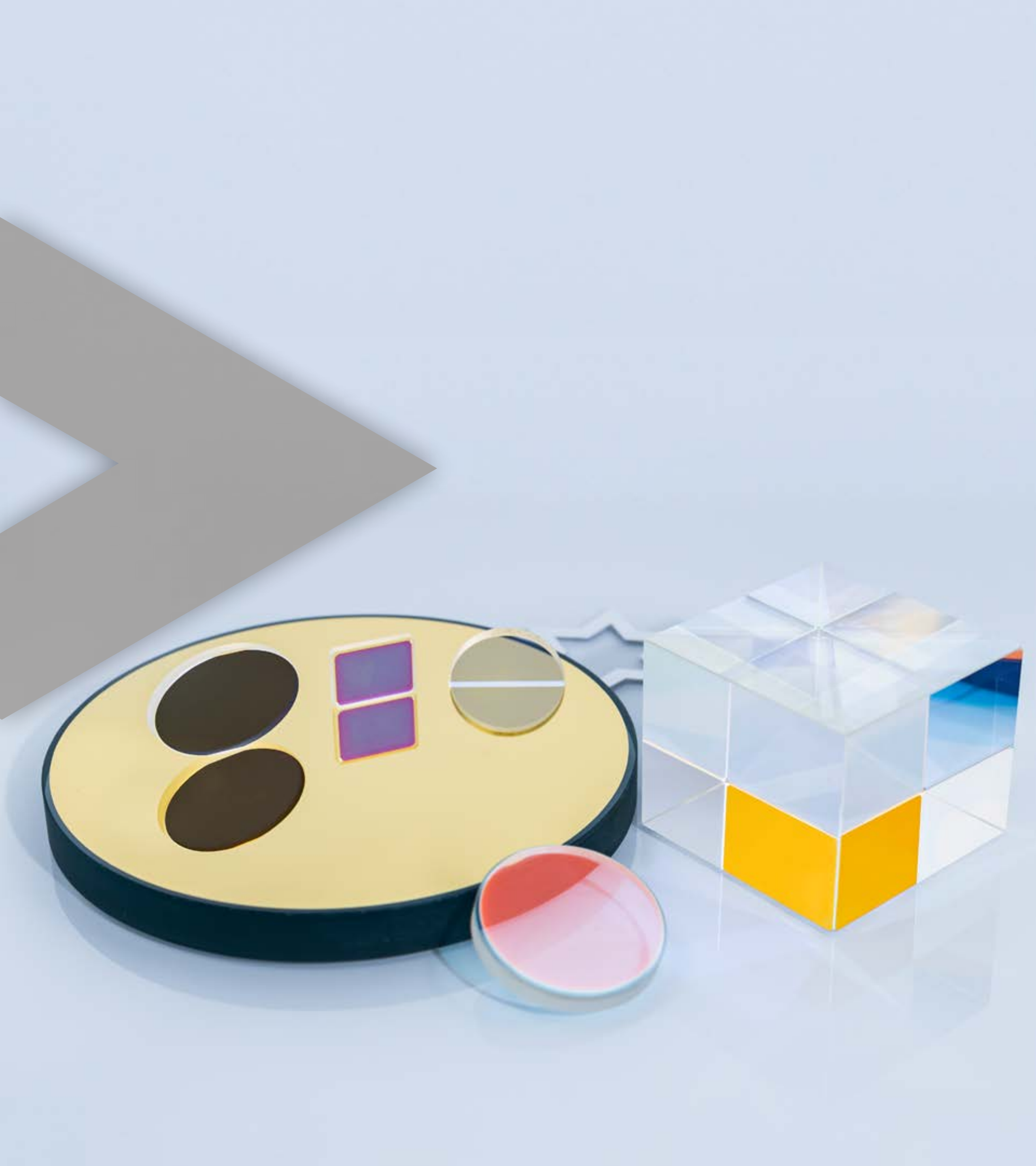




ABOUT US

- > Founded: 1965
- > Location: Balgach,
Swiss Rhine Valley
- > Employees: 65
- > Production area: 3000 m²

OUR PRODUCT RANGE



Assemblies &
system

Coatings

Super polishing



Projects

Engineering

High precision optics
from UV to IR

HIGH PRECISION OPTICS FROM UV TO IR

- Size: 0.3 - 450 mm
- Angle tolerance: < 0.5 arc sec
- Thickness tolerance: $\pm 0.2\mu\text{m}$



HIGH PRECISION OPTICS FROM UV TO IR

- Beam splitters
- Prisms
- Assemblies
- High-end products

HIGH PRECISION OPTICS FROM UV TO IR

- 5-axis CNC manufacturing centers
- Several CNC and NC machines
- 3D measurement capabilities

SUPER POLISHING

- Roughness: < 1 Angström RMS
- Parallelism: < 1 arc sec
- Surface figure: < $\lambda/20$



SUPER POLISHING

- Flat surfaces
- Spherical surfaces
- Resonator blocks



SUPER POLISHING

- Laser applications
- Low scatter optics
- Laser cavities

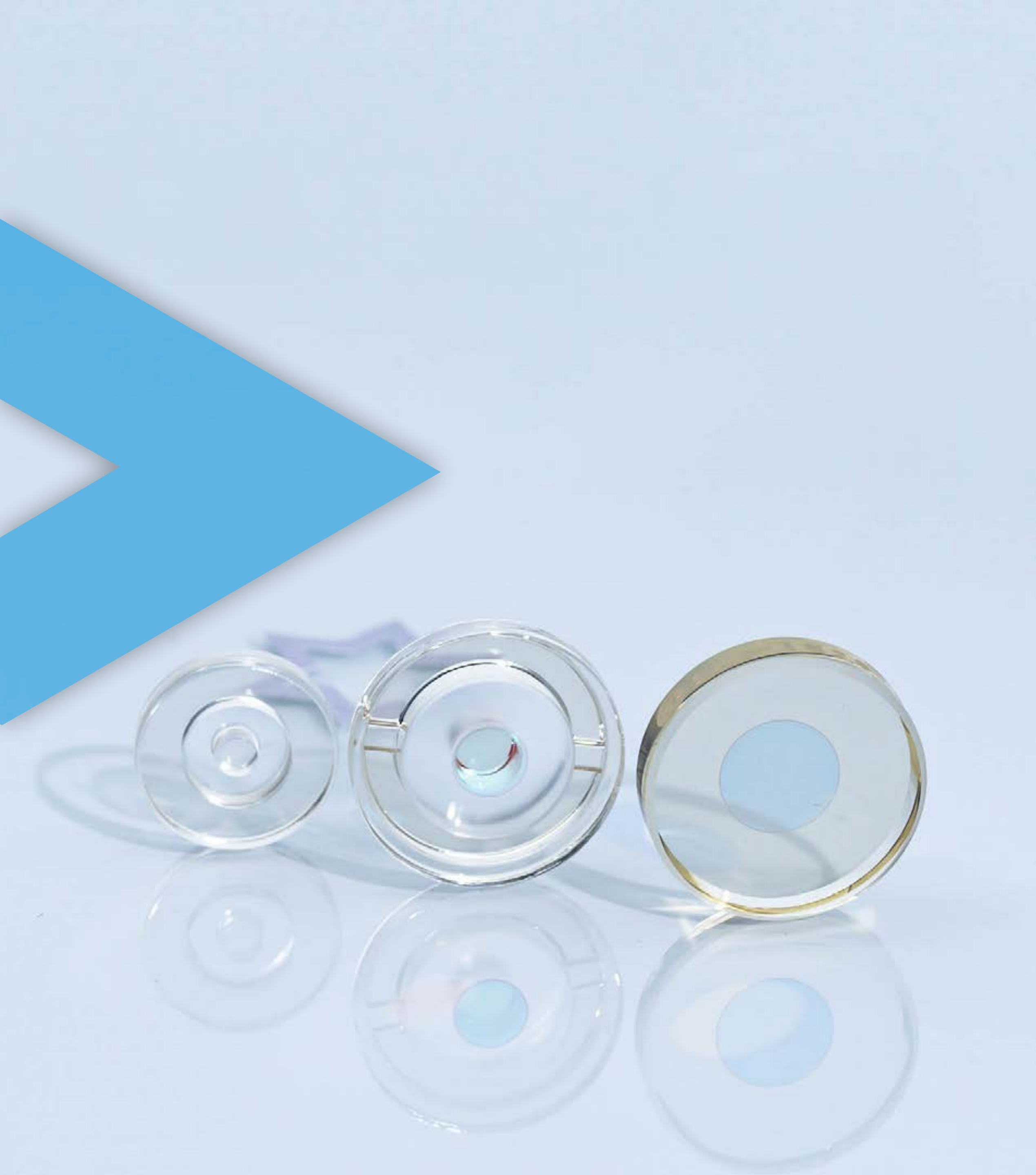
IBS-COATING

- Ion beam sputtering
- Dense, highly stable thin-films
- High Laser Damage Threshold



IBS-COATING

- > Very low absorption
- > Very low scattered light in combination with **WZWOPTICAG**'s super polished substrates
- > Highest reflectivity: $R > 99.999 \%$



IBS-COATING

- Photospectrometer
- Integrated Scattering Device
- Cavity Ring Down
- Ellipsometer

ASSEMBLIES & SYSTEM

- Assembly area in clean room ISO 5
- Optomechanical systems
- Optical assemblies

ASSEMBLIES & SYSTEM

- Mechanical fitting precision:
 $\leq 0.001 \text{ mm}$
- Optical fitting precision:
 $\leq 1''$ beam divergence
- MTF measurements



PROJECTS

- From the idea to the solution
- Build to print
- Build to spec



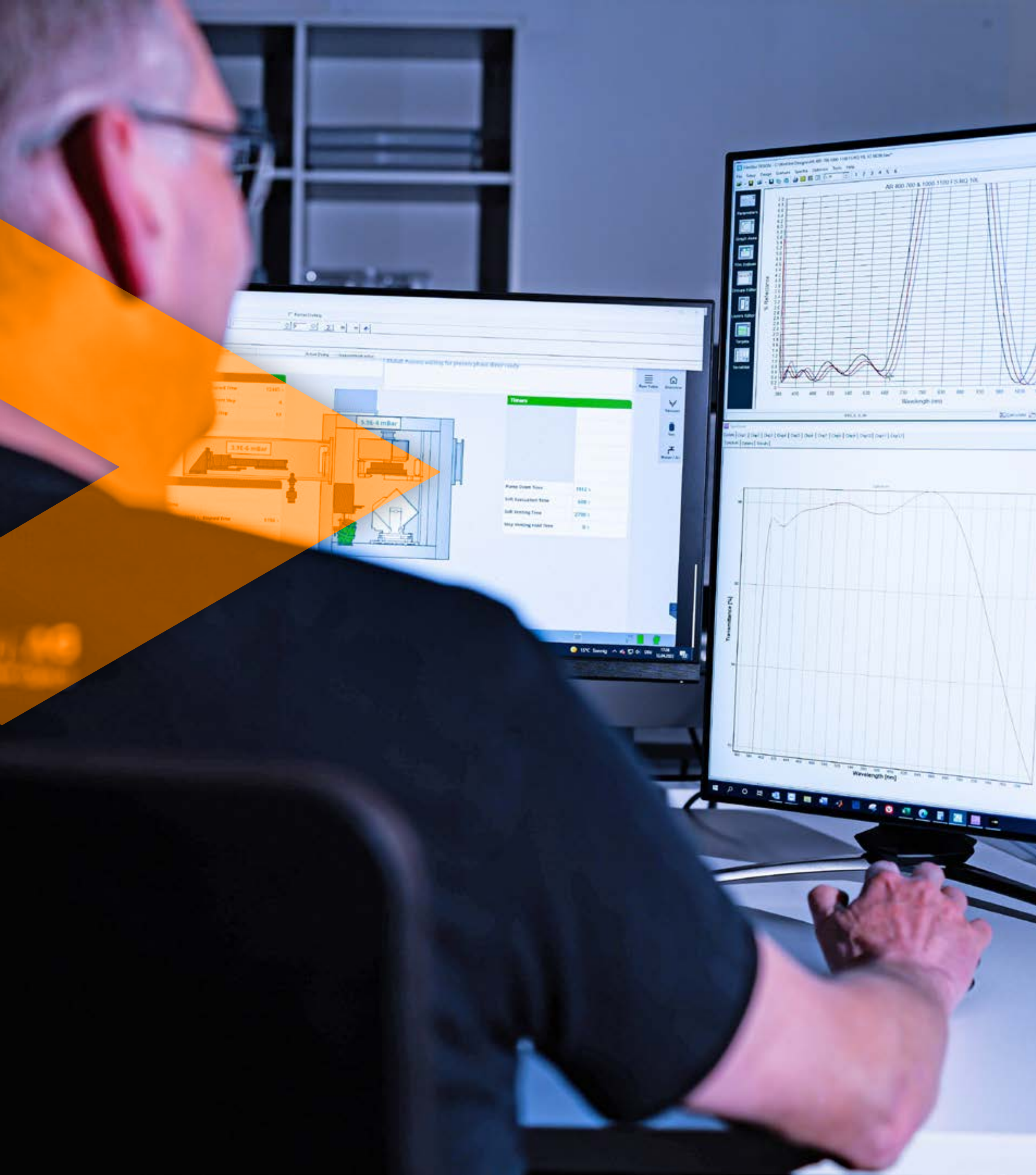
PROJECTS

- Collaboration to develop exceptional solutions
- More then 55 years of experience
- Within key-industries around the globe



ENGINEERING

- Coating design
- Optical design
- Mechanical design



ENGINEERING

- Laser Damage Testing
- Environmental and Shock Testing
- High precision wavefront corrections



OUR CUSTOMERS

- > Semi-conductor industry
- > Laser industry
- > Defense
- > Measurement technology
- > Imaging



APPROVED FOR MAXIMUM CERTIFICATIONS

- > SWISS MADE.**
- > SWISS QUALITY.**
- > SWISS PRECISION.**

