

# LASER OPTICS FOR YOUR NEEDS

A World of Options



# HIGH POWER LASER OPTICS FOR CONSTANT QUALITY

## Excellence by Tradition

We produce high power dielectric optics in our own facility in Olching near Munich since 1986.

## Customized Coatings for Additive Manufacturing

We develop our coatings in close cooperation with our customers.



»OUR PRODUCTION TEAM AND DEVELOPMENT ENGINEERS WORK HAND IN HAND TO CUSTOMIZE EVEN THE MOST COMPLEX COATING.«

CHRISTIAN GRUNERT / *Director of Laser Optics Production*



## DICHROIC OPTICS

+ For Process Monitoring

### Benefits:

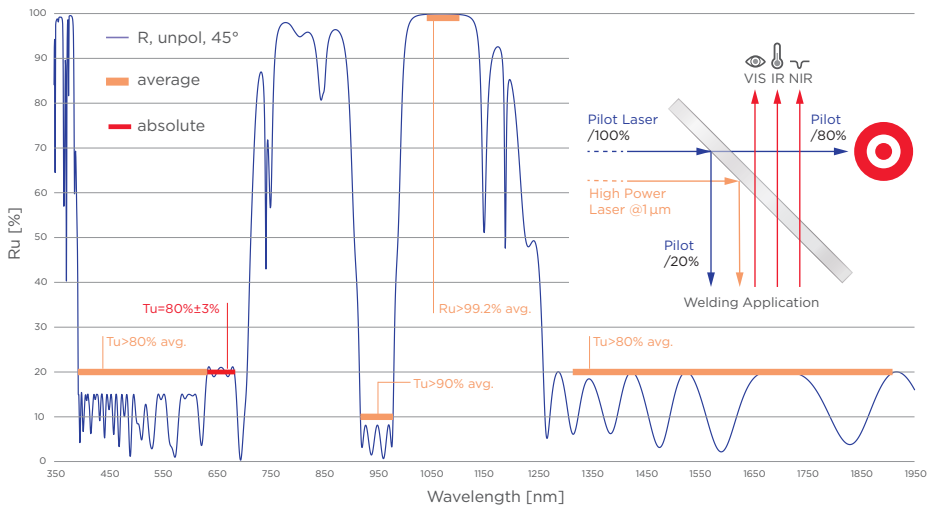
- / Customized coatings depending on **your** needs and wavelengths
- / Possibility for spectral separation of processing or diagnostic wavelengths
- / Optimized for the use of an additional wavelength of **your** pilot laser

### Key Features:

- / Functional integration of different wavelengths in one optic
- / Individual prioritization of the wavelengths relevant for **your** application

### Applications:

- / Optimized for the use in process monitoring such as OCT, pyrometer, thermal camera, and VIS camera
- / Outcoupling of a partial beam to monitor the beam quality



## LARGE PROTECTION WINDOWS

+ For Lens Protection

### Benefits:

- / Interchangeability of the optic without affecting the building process
- / Less thermal lens effects due to sophisticated substrates and coatings
- / Customized coating and substrate dimensions possible
- / Attractive prices due to high capacity of our coating systems

### Key Features:

- / Good flatness and cleanness
- / Low thickness if needed
- / Optimized for lowest absorption
- / Good cleanability and scratch resistance

### Applications:

- / Suitable for, e.g., powder or wire based processes
- / Protection for components such as F-theta lenses or scanners



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Explore our laser optics at  
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