

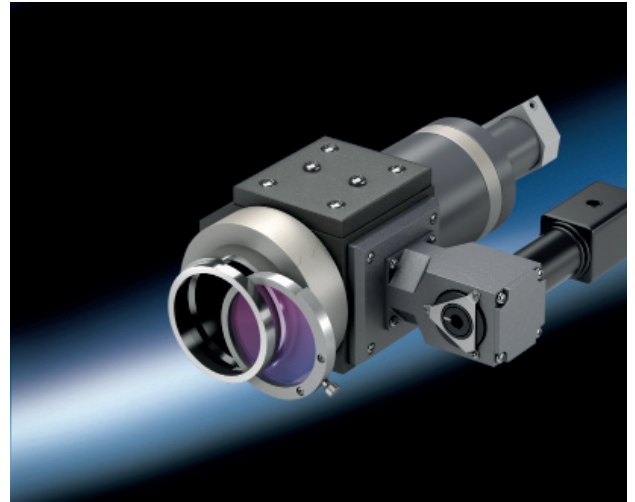
LASER PROTECTION WINDOWS

Protective shields - for a long life

With our laser protection windows you are opting for a high-quality and affordable solution for the optics of your lasers.

The anti-reflective special glass acts like a protective shield in front of the optics: sparks, splashes and scratches no longer stand a chance.

Available in all common glass thicknesses, diameters or wavelengths, you will receive a custom-made product according to your individual specifications. And with that, a longer lifespan for your laser - plus longer quality in series!



Standard specification for laser protection windows

- Standard substrate: Fused Silica (for lasers with higher output power)
- Standard tolerances: $\varnothing \pm 0.1\text{mm}$ or $+0/-2.0\text{mm}$
- Thickness: $\pm 0.1\text{mm}$ or $+0/-0.2\text{mm}$
- Edges grinded with facette (f.e. $0.3\text{mm} \times 45^\circ$)
- Both sides mechanically polished $\lambda 4-\lambda 6$
- Scratch/dig 60/40
- Typical Standard Coatings: @1064nm $T \geq 99.5\%$, @633nm $T \geq 99.5\%$ or broad band coating: for example @900-1080nm $T \geq 99.5\%$
- smudge-proof and scratch-resistant, adhesive peeling test, cleaning with alcohol mixture in a dust-free chamber, ultrasonic cleaning

Product features / typical applications

- Single layer - AR (advantageous for materials with high refractive index)
- Narrow-band AR coatings (e.g. for V-type single laser wavelength)
- Broadband AR coatings
- Multispectral AR coatings
- Antireflective sight glass window to protect high-quality laser optics from splashing material
- Antireflective laser scanner window

