

Coating Quality Matters.



The German high-tech company **LASEROPTIK** focusses on the development and production of optical coatings and components for high power laser applications in industry, medicine, research and space technology. And, new challenges always arise. Give us a try.

LASEROPTIK at a glance

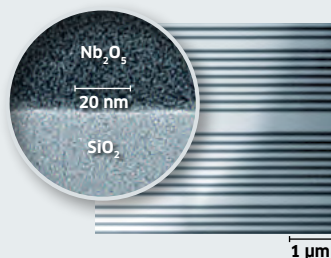
Location	Garbsen (Hanover), Germany
Foundation	1984
Employees	> 100
Coating machines	> 40 (18 IBS)
Production facilities	3 production buildings with about 7900 m ²
Certification	ISO 9001:2015
Coating capacity	180,000 coated optics/year

Individual coatings

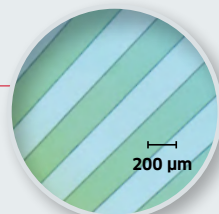
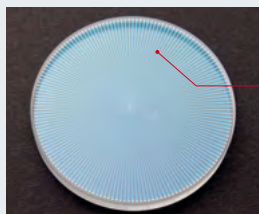
unlimited shapes



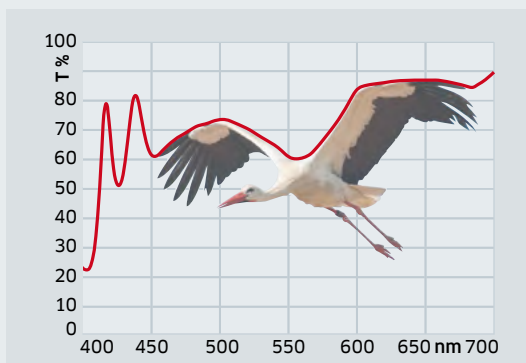
LASEROPTIK offers coatings on almost any type or size of substrate



Performance of the highest layer quality with IBS-coatings



Example of structured coatings with sharp edges and very small widths



LASEROPTIK designs and coats any curve you need.

Coatings

Techniques	TE, EBE, IAD, IP, MS, IBS, ALD
Coating range	from VUV (120 nm) to MIR (10.6 µm)
Standard and customized coatings	
Main types	AR, HR, PR, Filter, Multi-line, Polarizer, Variables, OPO, Metal
Dispersive coatings	e.g. GDD optimized, GTI, chirped mirrors, octave spanning, matched pairs
Special applications	e.g. extremely low loss, highest LIDT, space-borne, harsh environments, structured

Substrates

LASEROPTIK offers either from stock or customized optics or works with provided products

Types	besides standard glasses, almost every type of substrate, e.g. crystals, wafers, metals, fibers, glass cells, UHV-windows
Sizes	vary from small (<1 mm) to large (e.g. 2 m in length, 550 mm in diameter)
Quality	Standard, Super-polished (RMS <0.1 nm), Premium (RMS <0.2 nm)

Special Services

LASEROPTIK EXPRESS fast delivery, e.g. coating service within 24h



LOOP (LASEROPTIK Online Portal)



LOOP allows you to configure and buy your optics online.

LOOP shows a selection of more than 1,200 coatings out of our data base stock with 26,000 different coating designs.

Wide range of measuring equipment

In-house substrate inspection (including roughness, focal length, wedge, flatness, stress), reflectance and transmittance, CRD, GD, GDD, absorption, scattering, environmental testing

In co-operation with our research partners LIDT, absorption, scattering

References (Selection of authorized references)

