

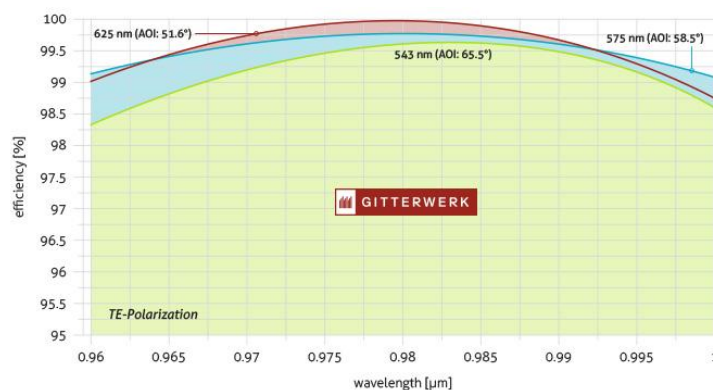
# 980 nm transmission grating

high quality gratings for high power and ultra short pulse lasers

**For a better beam quality**

Our high quality diffraction gratings are perfectly suited for beam combining of high performance lasers.

Based on our new grating fabrication process, we can produce gratings up to 135 mm in diameter without any stitching errors. This means that you get large gratings with very good homogeneity and minimal wave front distortion.



“Efficiencies up to 99.5% – incl. AR-Coating!”

5% higher Grating Efficiency = 20% more Laser Efficiency – Due to 4-passes of the compressor gratings.

“Perfect Transmission Gratings for ultrashort pulse laser!”

## High Efficiency Transmission Grating for:

- pulse compression
- beam combining
- chirp pulse amplification (CPA)

## Industrial Applications:

- Material processing
- Laser pumping

## Product Details:

- VERY GOOD HOMOGENEITY, up to 135 mm diameter



- TYP.3 OR 6.35 MM SUBSTRATES,high mechanical stability
- ALL-DIELECTRIC and ultra-pure fused silica
- NO STITCHING/PERIOD VARIATIONS,low wavefront distortions
- OPTIMAL EFFICIENCIES-due to individual Design