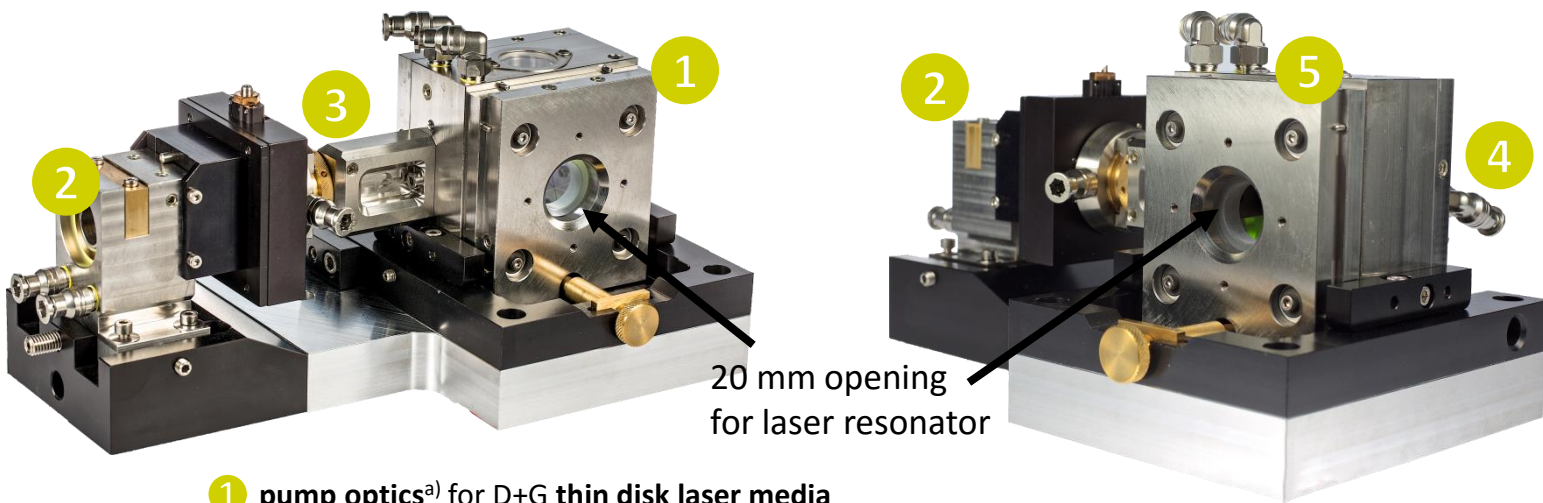


# Thin Disk Pump Optics – TDM 1.0 Lab v2017



20 mm opening  
for laser resonator

- 1) **pump optics<sup>a)</sup>** for D+G thin disk laser media  
**pump chamber<sup>b)</sup>** for 24 (**optionally 48**) passes of pump light through disk  
 maximum allowable **pump power** 1 kW (**optionally 2 kW**)  
 removable water cooled **frame** with adjustable distance to disk  
 made of **stainless steel** for use with DI water (**optionally low outgassing for vacuum**)
- 2) **coupling unit** for pump fiber from side or back (e.g. **SMA or HIGHYAG** connector)
- 3) water cooled, easily exchangeable, and adjustable **collimation optics**  
 pump spot diameters of 0.9 mm – 6.7 mm
- 4) water cooled, adjustable (angle/position, **optionally Piezo-controlled**) **disk holder**
- 5) adjustable **parabolic mirror** for moving pump spot (1 mm, **optionally up to 3 mm**)

a) please check our website for dimensions (incl. STEP file)

b) patents EP 1 252 687 & EP 1 103 090, co-inventor Dr. Giesen, licenced to D+G



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