

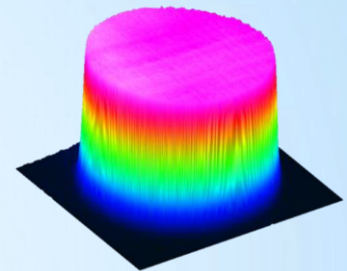


LOS

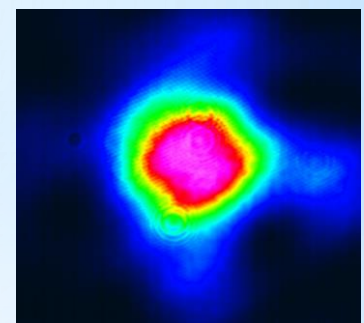
Lasers
& Optical
Systems

Flashlamp Pumped High Brightness Q-switched Nd:YAG 4 J × 100 Hz

Wavelength	1064 nm	532 nm
Output energy	up to 4 J	up to 2.5 J
Repetition rate	100 Hz	
Pulse duration	10 ns	
Beam diameter	15 mm	
Beam divergence	<0.5 mrad	
Laser Head Size	1000×300×120 mm	
Laser Head Weight	45 kg	



Near field



Far field

- ✓ SHG conversion efficiency >70%!
- ✓ Pulse-to-pulse energy instability <2% RMS (532 nm)
- ✓ Compact, table top, robust!

Applications:

- Thomson scattering diagnostics
- Long distance rangefinders (e.g. lunar locator, space debris monitoring)
- Pumping of Ti:Sapphire

