

Ultra-High Energy Nanosecond Laser

5 J · 10 Hz · 10 ns @532 nm Lamp-pumped Nd:YAG Pulsed Laser



Pulse Energy @1064 nm

≥ 8.0 J

Pulse Energy @532 nm

≥ 5.0 J

Repetition Rate

10 Hz

Pulse Duration

≤ 10 ns

Energy Stability

≤ 1.0 % RMS

Features

- High M^2 with Super-Gaussian spatial profile
- Thermally induced astigmatism compensated design
- Custom option and specification available

Applications

- Laser pumping (OPO, Ti:Sapphire, dye)
- Material processing (laser shock peening, silicon annealing, ablation)
- Plasma generation and diagnostics (spectroscopy, non-destructive testing)

Coming soon in 2023

Ultra-Flexible Nanosecond Laser

Fiber Output 170 mJ · 100 Hz · 8 ns @532 nm Diode-pumped Nd:YAG Pulsed Laser

Pulse Energy @1064 nm

≥ 400 mJ

Pulse Energy @532 nm

≥ 200 mJ

Pulse Energy @Fiber

≥ 170 mJ

Repetition rate

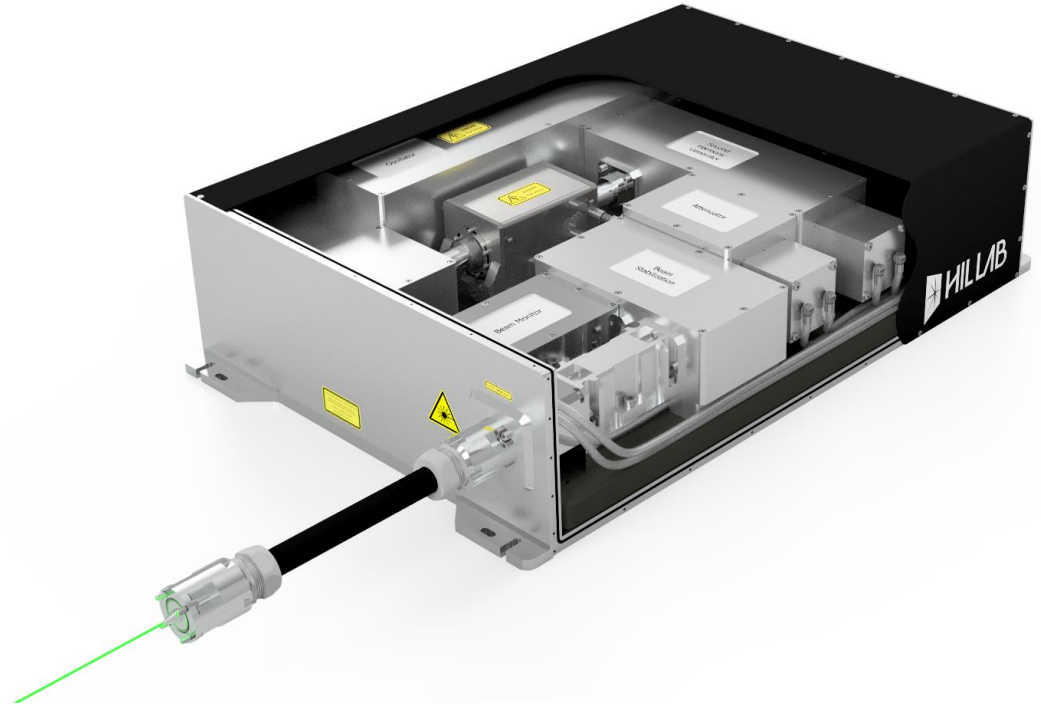
100 Hz

Pulse Duration

≤ 8 ns

Energy stability

≤ 1.0 % RMS



Features

- BPP=166 mm · mrad ($M^2=982$) in $\Phi 1.5$ mm core fiber output
- Very low maintenance (5 Billion shot lifespan)
- Custom option and specification available

Applications

- Photo-acoustics, ultra-sound generations
- Material processing (laser peening, laser ablation)
- Scientific research (LIBS, OPO or Ti:Sapphire pumping)