

ALS-IR Fiber Laser Up to 130 Watt

Single frequency CW for your power hungry application

Graefelfing | June 24th 2024

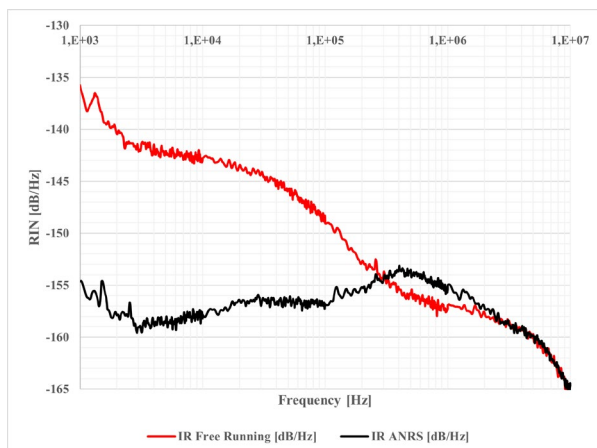
Advanced quantum technology applications require high performance and high power light sources. From gravitational wave detection to quantum computing.



The **ALS-IR series** is a range of lasers and amplifiers based on innovative fiber technology and represents a real breakthrough on the laser market especially over solid-state technologies. It combines the most stringent fiber laser specifications: high power, single mode, single frequency, ultra-low noise, to enable the most demanding applications.

Applications:

- Fundamental Quantum Technology
- Applied Quantum Technology
- High performance instrumentation based on interferometry like gravitational wave detection systems for example.
- High brightness laser pumping



Our products show ultra-low intensity noise compared to other laser technologies.

As an option, we propose the ANRS (Active Noise Reduction System) that allows an intensity noise reduction of >15 dB the low frequencies.

Key Features ALS-IR series:

- High power up to 130 W @ 1028 .. 1070 nm
- Active noise reduction system
- Turnkey, maintenance free, industrial-grade systems

The unique all-fibered architecture and the absence of complex cooling systems allows for reliability, robustness, and efficient integration in industrial or academic setups.

Go to www.toptica.com for further details.

About TOPTICA

TOPTICA has been developing, producing, and marketing high-end lasers and laser systems for science, research, and industry for 25 years. The portfolio includes diode lasers, ultrafast fiber lasers, terahertz systems, and optical frequency combs.

Worldwide, TOPTICA has 490 employees in six business units with a consolidated group revenue of €130 million.

TOPTICA Photonics AG

Lochhamer Schlag 19
82166 Graefelfing, Germany
www.toptica.com

PR Contact

Mr. Jan Brubacher
+49 89 85837-123
jan.brubacher@toptica.com