

Press Release

June 5, 2023

Menlo Systems' YLMO Mid-IR: Powerful. Tunable. Compact.

With the YLMO Mid-IR, Menlo Systems brings a compact, powerful and tunable mid-IR fiber laser to the market. The system delivers femtosecond pulses with adjustable spectrum in the 3 – 5 μm wavelength range. Wavelength tuning is performed in a fully automated manner via software. With average power levels exceeding 100 mW, the YLMO Mid-IR easily serves common requirements of state-of-the-art mid-IR applications. Pulse durations down to 140 fs support broadband spectroscopy applications as well as time resolved measurements.

The system is encompassed in a compact housing, allowing for maintenance-free operation, guaranteeing true hands-free device, enabling our customers to focus their time and resources on the actual application. The robust system design ensures excellent stability and consistent long-term performance. The installation of the laser system is as easy as it gets, taking only a few minutes. The new YLMO Mid-IR integrates the latest developments in fiber technology and incorporates the enhancements into an easy-to-use and cost-efficient product.



Figure: YLMO Mid-IR femtosecond fiber laser with spectrally tunable and powerful femtosecond output pulses in a compact and maintenance free design.

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About Menlo Systems:

Precision in Photonics. Together we shape light.

Menlo Systems GmbH is a leading developer and global supplier of instrumentation for high-precision metrology. The company with headquarters in the west of Munich is known for its Nobel Prize winning optical frequency comb technology. With subsidiaries in the US, Japan, and China, and a global distributor network, Menlo Systems is closely connected to its customers from science and industry. The main product lines are optical frequency combs, time and frequency distribution, terahertz systems, ultrafast and ultra-stable lasers, and complete systems for quantum technology applications. Besides standard products, Menlo Systems develops and manufactures tailored solutions for laser-based precision measurements.