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Press Release

January 9, 2009

Compact fiber laser delivers record short sub-70 fs pulses at 780 nm

Menlo Systems announces the second generation of the **T-Light 780**, its compact fiber laser. The enhanced design ensures stable operation in demanding industrial environments.

Due to the significantly improved frequency conversion scheme, the **T-Light 780** has spectral bandwidths of >12 nm, which leads to pulse durations <100 fs. Further compression to sub-70 fs is achieved with the **T-Femtосcale**, a pulse compressor based on chirped mirror technology. These parameters move the fiber based T-Light into domains which were previously only accessible by large frame Ti:Sapphire lasers.

First customers have successfully integrated the **T-Light 780** in applications like amplifier seeding, multiphoton excitation, time-resolved spectroscopy, and THz generation. They all see the benefits of saving in time and cost due to the turn-key femtosecond light source. It has never been easier to operate your femtosecond engine.

Author: Dr. Ida Z. Kozma, Menlo Systems GmbH

Menlo Systems, a leading developer and global supplier of instrumentation for high-precision metrology, was founded 2001 as spin-off of the Max-Planck-Institute of Quantum Optics. Known for the Nobel-Prize-winning Optical Frequency Comb technology, the Munich based company offers complete solutions based on ultrafast lasers and synchronization electronics for applications in industry and research. All our products are manufactured according to Lean Manufacturing standards. We think that Lean Production supports our strength in listening to the customer and manufacture in a fast and efficient way.



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