

Press Release

February, 2014

ELMO: ready for operation

At Photonics West 2014, Menlo Systems introduced ELMO, the unique fiber laser based on our figure 9[®] technology. The novel mode-locking mechanism offers unsurpassed reproducibility and long-term stable operation – tested over more than 10,000 on/off cycles. With its all-fiber design, ELMO offers excellent stability and low-noise operation, making it an ideal seed source for fiber amplifiers. Thanks to the special design the oscillator is maintenance free. It does not require installation because it is self-starting, just plug in and the system will be running after 60 seconds.

ELMO and its associated amplifier module are tough, resistant to mechanical shocks and temperature fluctuations. You could get the proof of this at the Menlo booth at the Photonics West where a falling billiard ball hit the laser with about 30g without disturbing the laser's function.

ELMO is compact and easily integrated and can be configured to work with multiple amplifiers making it a highly flexible choice for a wide variety of demanding applications.

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Image (350 dpi): MENLO_ELMO_pic01_pr.jpg

Caption: A billiard ball is dropped to the ELMO oscillator.

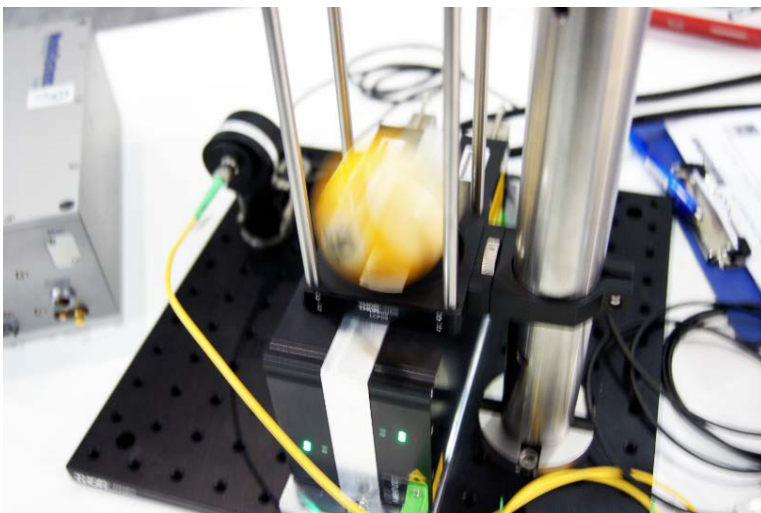


Image (350 dpi): MENLO_ELMO_pic02_pr.jpg

Caption: It hits the ELMO with around 30g.

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Image (350 dpi): MENLO_ELMO_pic03_pr.jpg

Caption: The laser stays stable (here shown more than 600 hits on the ELMO)



Image (350 dpi): MENLO_ELMO_pic04_pr.jpg

Caption: ELMO with unique figure 9[®] mode-locking technology

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Menlo Systems

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. Pioneers of the Nobel-Prize-winning Optical Frequency Comb technology, the Munich based company offers complete solutions based on ultrafast lasers, synchronization electronics and THz systems for applications in industry and research.

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