BlueCut femtosecond micro-Joule laser

The Menlo Systems BlueCut femtosecond laser enables fast and efficient processing at low cost of ownership. With its femtosecond burst mode feature and repetition rate ranging from single-shot to 10 MHz you can be sure to achieve maximum efficiency and ablation rates for your process. In addition to that, fast external tunability of the pulse energy allows processing with constant fluence across the part, even with changing spot overlap. The new release of the laser provides <400 fs with 10 uJ pulse energies and up to 10 W average power. With practically no heat affected zone, precision and clean processing is a given for a wide range of materials. To provide even greater flexibility and enhance efficiency and resolution, we now also offer optionally a frequency-doubled output at 515 nm.

Based on our proven all-fiber integrated technology, the **BlueCut micro-Joule femtosecond laser** from Menlo Systems offers superior robustness and reliability. It is designed for industrial and scientific micro processing, serving e.g. biomedical applications or applications in the semiconductor industry.

With its simple user interface the **BlueCut** is ideal for OEM integration. Its unique combination of compact form factor, air-cooled laser head and high mechanical stability provides an unprecedented level of stability during 24/7 operation.

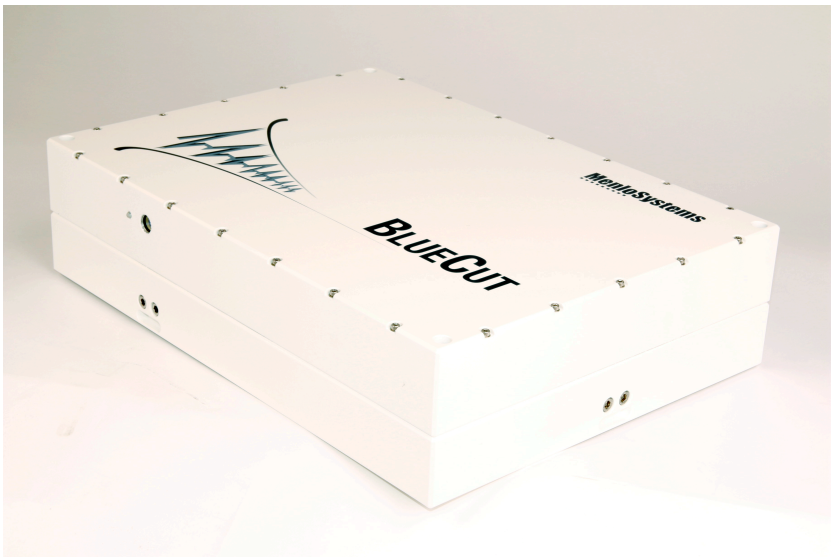

Figure: BlueCut micro-Joule laser head

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About 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. Known for 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.