



## Press Release

October 24, 2019

# Pulse on Demand: New Micro-Joule Fiber Laser @ 1030 nm

**TOPTICA Photonics presents the new FemtoFiber vario 1030, a versatile micro-joule fiber laser ideally suited for micromachining, material processing and life sciences.**

Shown for the first time as a live-demo at this year's LASER World of PHOTONICS trade fair in Munich, TOPTICA is proud to present their newest femtosecond fiber laser FemtoFiber vario 1030 at the upcoming BIOS/PHOTONICS West in San Francisco.

With a center wavelength of 1030 nm, the laser offers 2 W of output power at a repetition rate of up to 1MHz and a pulse duration of <300 fs. The special features of this laser include variable pulse duration via GDD control, adjustable repetition rate down to pulse-on-demand, and its superior temporal and spatial beam quality.

Originally developed for ophthalmic applications, the unique capabilities of the FemtoFiber vario 1030 are an excellent fit for other applications ranging from micromachining and material processing to life science applications. With its robust, compact, passively-cooled design and its detachable laser head, the FemtoFiber vario 1030 is ideal for OEM integration and industrial use.

For more information visit [www.toptica.com/vario](http://www.toptica.com/vario)



FemtoFiber vario 1030: Versatile Micro-Joule Fiber Laser ideally suited for Micromachining, Material modification and Life Sciences

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*TOPTICA has been developing and manufacturing high-end laser systems for scientific and industrial applications for 20 years. Our portfolio includes diode lasers, ultrafast fiber lasers, terahertz systems and frequency combs. The systems are used for demanding applications in biophotonics, industrial metrology and quantum technology. TOPTICA is renowned for providing the widest wavelength coverage of diode lasers on the market, providing high-power lasers even at exotic wavelengths. Today, TOPTICA employs 300 people worldwide in six business units (TOPTICA Photonics AG, eagleyard Photonics GmbH, TOPTICA Projects GmbH, TOPTICA Photonics Inc. USA, TOPTICA Photonics K.K. Japan, and TOPTICA Photonics China) with a consolidated group turnover of € 60 million.*