



A Passion for Precision.

Press Release

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pro Series Completed: Lasers for Scientific Challenges

Best specifications and optimized hands-off operation

TOPTICA has completed its **pro series** of scientific lasers.

The pro series consists of tunable diode lasers (DL pro), amplified tunable diode lasers (TA pro), and frequency converted tunable diode lasers (DL/TA-SHG/FHG pro), as well as femtosecond fiber lasers (FemtoFiber pro).

All these new laser systems are based on successful and well-established TOPTICA products, that have been upgraded to a new technological level. The aim of these new laser systems is to make scientists life easier, so they can focus on science and not lasers. pro lasers are far more stable and easier to use.

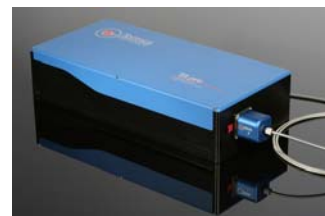
The new diode laser systems are all based on the DL pro, that has been introduced in 2007, and that has quickly convinced many scientists. It tunes over the complete gain spectrum of the laser diode without any realignment, and mode-hop free tuning is greatly enhanced. Compared to other diode lasers, it is at least 10 times more stable against acoustical and thermal disturbances.

The TA pro also incorporates a new TA mount with thermal management and custom optics as well as newly designed flexure based mirror mounts with exceptional beam pointing stability. All SHG systems also incorporate the monolithic SHG pro resonator. It is machined from a solid block, stable and dust proof.

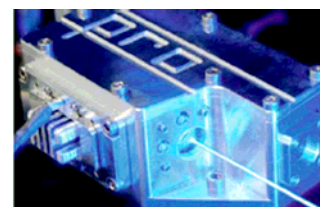
The FemtoFiber pro incorporates polarization maintaining fibers only and its resonator is completely fiber contained for stability and hands off operation.

TOPTICA's pro series ensures technological leadership for modern physics experiments and scientific challenges.

All products will be displayed live at the LASER World of PHOTONICS show in Munich from June 15-18 at booth B1.115.



TOPTICA's new TA pro: one example of the new pro series.



SHG pro: monolithic frequency doubling resonator for ultimate stability.

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TOPTICA Photonics AG develops, manufactures, services and distributes technology-leading diode and fiber lasers and laser systems for scientific and industrial applications. Sales and service is offered worldwide through TOPTICA Germany and its subsidiary TOPTICA USA, as well as all through 14 distributors. A key point of the company philosophy is the close cooperation between development and research to meet our customers' demanding requirements for sophisticated customized system solutions and their subsequent commercialization.

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