



A Passion for Precision.

Press Release

TOPTICA Photonics AG
Lochhamer Schlag 19
D-82166 Graefelfing / Munich

Contact:

Marketing

Elke Marchthaler
Phone + 49 89 85837-123
Fax + 49 89 85837-200
elke.marchthaler@toptica.com

Sales

Dr. Jürgen Stuhler
Phone + 49 89 85837-116
Fax + 49 89 85837-200
juergen.stuhler@toptica.com

www.toptica.com/page/news.php

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New: Ultra-stable Tunable Diode Laser now at all Diode Wavelengths between 372 nm and 1670 nm

TOPTICA's successful DL pro is now available at all laser diode wavelengths as the DL 100 / pro design

The DL 100 / pro design offers the same superior mechanical setup as TOPTICA's successful DL pro. It is a design that allows for the most stable external cavity diode lasers (ECDL), both against acoustical / mechanical and thermal disturbances. At the same time, the design allows for easy coarse tuning across the complete gain spectrum of the integrated laser diode. The DL pro and the DL 100 / pro design are particularly easy to operate and tune, and they enable a much more hands-off operation than other ECDLs. These attributes make it ideally suited for the integration into complex and demanding experiments like Bose-Einstein condensation or quantum computing.

Until now the DL pro was available in only four versions with special AR diodes that are coarsely tunable up to 95 nm around 780 nm, 850 nm, 940 nm or 1040 nm. Now TOPTICA has adopted the mechanical design for the integration of their complete range of AR and FP laser diodes for external cavity diode lasers. The DL 100 / pro design is available at most wavelengths between 372 nm and 1670 nm. Output powers range up to 300 mW. The characteristics of these lasers greatly depend on the integrated laser diode. Available AR and FP diodes with output power and tuning specifications are available from TOPTICA's website www.laser-diodes.com. For further information please contact TOPTICA Photonics.



DL 100 / pro design – ultra-stable tunable diode laser – available at wavelengths between 372 nm and 1670 nm.

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.

Author:

Dr. Rudolf Neuhaus, TOPTICA Photonics AG