



## Press Release

**LASER World of PHOTONICS | June 24-27, 2019 | Hall A3, Stand 307**

### **Lumics Reveals Next Generation "LuOcean™" Product Family**

***The LASER World of PHOTONICS 2019 is where Lumics will be introducing its latest additions to the renowned LuOcean™ product family, Lumics' most successful series of high power fiber coupled diode laser modules.***

Berlin, June 2019 - Lumics is again redefining the benchmark and paving the way for customers to simplify design and manufacturing of innovative diode laser based devices by showcasing its latest developments to the LuOcean™ series. The LuOcean™ series products are the ultimate choice for applications in medical & life science, and soft material welding & processing.

#### **The M4 Diode Laser Module**

This latest addition to the LuOcean™ product family offers power levels up to 550W. The available wavelength range spans from 760nm up to 1940nm. Single emitters electrically wired in series allow for low current despite of high power levels. Just as all the LuOcean™ models also the M4 offers a fiber port for a detachable fiber, as well as the possibility to have up to three independently controllable wavelengths in one module.

The built-in single emitters are produced in-house and are carefully burn-in tested to ensure class-leading performance and ultra-long life time. Customers can freely select amongst a wide range of additional signal and sensor features, offered also two-fold for redundancy.

#### **The Driver Kit**

With this proprietary OEM driver solution Lumics makes again a significant step towards providing complete state-of-the-art solutions. This driver kit with digital interface was designed and highly optimized for the Lumics LuOcean™ series, and the built-in protective features and industry standard RS232 interface considerably simplify design and production on customers' site.

The driver kit is freely configurable with a single PCB controller board, together with up to 8 laser driver boards and up to 2 TEC drivers. Full digital access and control to all functions of the laser module, current range up to 28A, pulse widths down to 100µs, the possibility to synchronize the driver boards and TEC drivers satisfy even demanding requirements.

In addition Lumics also showcases in Munich for the first time its own newly designed TEC chiller plates to complement the LuOcean™ portfolio.

**Come and discover the complete LuOcean™ diode laser portfolio at LASER Munich, Hall A3, Booth 307.**

**About Lumics**

Lumics GmbH in Berlin is a class-leading manufacturer of diode lasers, fiber coupled single- and multi-mode laser diode modules and complete OEM laser solutions based on Lumics' patented in-house single emitter technology. The company is part of the Berlin.Industrial.Group. (B.I.G.). This medium-sized enterprise headquartered in Berlin has roughly 320 employees and generates annual sales of approx. €49.5 million (forecast 2019).

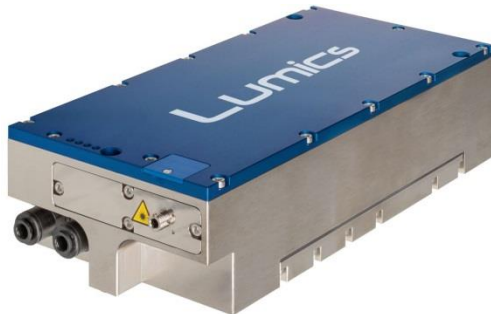
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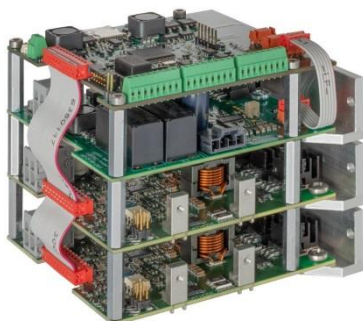
**Photo©: Lumics**



**Caption**

The fiber-coupled LuOcean™ M4 Diode Laser Module is available from 760nm up to 1940nm and offers power levels up to 550W as well as the possibility to have up to three independently controllable wavelengths in one module.

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**Caption**

With the proprietary OEM driver solution with digital interface Lumics makes again a significant step towards providing complete state-of-the-art solutions..