

High-Power LED-Modules with more flexibility and power.

Laser and LED Specialist Omicron presents a new Generation of LED modules

Rodgau/Frankfurt (rd) – The innovative team of OMICRON has developed new high-performance LED modules. The updated product in comparison to the previous version is characterized by greater functionality and flexibility for applications in industry and research. With more than 40 different wavelengths from deep UV to the near infrared and optical output power of several hundred milliwatts, the so-called "LEDMOD" series can be used in many applications such as microscopy, chemical analysis, spectroscopy, forensics and other areas.

The LED modules are available in a fibre-coupled version or with free emission. The modules have modulation inputs for fast analogue intensity modulation with up to 200 kilohertz and digital modulation with a switching time of $< 2\mu\text{s}$. High-precision temperature stabilization of the LED chips ensures a very good performance and wavelength stability. This is important especially for applications that not only need an exact output power, but also a high stability of the emission spectrum.

The digital modulation can be operated via external modulation signals, as well as an internal, programmable signal generator. A SYNC output ensures synchronization with external devices such as cameras, spectrometers and lock-in amplifiers. One or several optional "LEDMOD" modules can be comfortably controlled via RS-232 and USB 2.0 interface by either the supplied software 'Omicron Control Center' or the customer's own software.

The new "LEDMOD high power" modules by OMICRON were presented in the beginning of February 2015 at the trade fair "Photonics West" in San Francisco (United States).

Further information on Omicron laser products can be found at www.omicron-laser.de.

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Textumfang mit Headline und Intro: 2.030 Zeichen inkl. Leerzeichen, 35 Zeilen à circa 60 Anschläge

About Omicron

Since 1989, Omicron has been developing, building and producing innovative laser systems. With a highly qualified team Omicron specialized in customized solutions for applications in the fields of medicine, research, biotechnology, such as microscopy and flow cytometry, digital imaging and optical data storage as well as quality assurance and measurement engineering. Product development and production comply with European and US guidelines. A broad band of laser sources in the range of UV VIS/IR is available to satisfy individual customer requirements. Omicron offers single light sources as well as complete system solutions. Omicron pursues the objective of being an industry leader in product development and has not only set trends in laser technology but also has drawn worldwide attention with its developments.