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Latest milestone in company history: Omicron launches a second range of products with the new OEM laser series “PhoxX®”

Omicron, renowned for innovation and customised solutions in the field of laser technology, has launched a new range of products onto the market. “PhoxX”, the new laser series, is targeted specifically at the OEM market and is the brainchild of Omicron product designers who have vast experience in developing high-end lasers. At the request of existing and potential customers who are currently using premium and standard lasers, PhoxX was designed particularly for the use in instruments in order to provide the market with performance features in the well known Omicron quality. And all of this in a small, compact version.

Rodgau/Frankfurt (mas) – With the announcement of the new OEM diode laser series PhoxX, laser specialist Omicron is showing the way forward in the 375-830nm wavelength. The PhoxX series offers many unbeatable advantages when compared with conventional argon gas and DPSS lasers. As a result of the fast, direct digital modulation capability of more than 180 megahertz and analogue power modulation of greater than one megahertz, optoacoustic modulation is no longer needed. Compact construction and flexible input signaling allows the lasers to be integrated simply into existing or future machine designs.

One significant feature of the PhoxX diode laser is its intelligent laser electronics with RS-232 and USB 2.0 interfaces that permit easy interaction with the application. Furthermore, by using innovative Omicron optics, astigmatism is corrected so that the beam has a diameter of around 1mm and the focus is absolutely circular. The lasers are available in single-mode operation with an optical output power of up to 140mW.

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The new product family has to be the first choice for biotechnology applications. This is because PhoxX provides a very compact light source that can be directly modulated at the 488nm wavelength favoured by biotechnologists.

Omicron's new PhoxX diode lasers will go into series production in the first quarter of 2009 and will be showcased worldwide in leading laser trade fairs such as the "Photonics West" from 24 to 29 January 2009 in the United States and the "Laser" from 16 to 19 June 2009 in Munich.

You can read more about Omicron's laser products at www.omicron-laser.de.

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About Omicron

Since 1989, Omicron has been developing, building and producing innovative laser systems. This highly qualified team specialises in customised solutions for applications in the fields of medicine, research, biotechnology, digital imaging and optical data storage as well as quality assurance and measurement engineering. Product development and production comply with European and US guidelines. New pioneering developments in DVD mastering are taking over the Asian market. The laser systems are constructed on modules in order to satisfy customer requirements and to support customers integrate systems. Omicron pursues the objective of being an industry leader in product development and has not only set trends in laser technology but also excited industry analysts throughout the world.

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