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Omicron introduces its new generation of Multiline Lasers

Rodgau (mas) - With the new development of the combined laser beam diode module from Omicron, the gas laser technology in the area of Multiline Laser immediately belongs to the past. The dual and triple wave length diode laser from Omicron provides two or three emission wavelengths in a co-linear laser beam. The emission wavelength can be configured according to customer requirements and these lie within the wave length ranges of 375 nm in ultraviolet area to 1.064 nm in infrared area.

For the first time the new beam combined Omicron Laser provides the possibility to replace the out-of-date multi-line gas laser with modern diode lasers in applications such as microscopy, flow cytometry, reprography or holography. The future orientated modules designate themselves through much more compact dimensions, a much higher life span and much lower consumption of energy. All wavelength combinations are possible such as 375nm, 405nm and 635nm for biotechnology or RGB combinations such as 448nm, 532nm and 658nm for reprography. Furthermore, individual operating modes can be selected for the individual wavelengths such as highly stable CW operation, analogue modulation with up to 350 MHz, digital modulation with up to 500 MHz or the unique "Deepstar" modulation that has been developed by Omicron with modulation depths of more than one to a million. The additionally available single and multi-mode fibre couplers as well as further options make the new multi wavelength modules from Omicron the most flexible Multiline Laser on the market. Further information for Omicron laser products can be obtained under www.omicron-laser.de.

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Background information

Omicron has been developing, designing and producing innovative laser systems since 1989. The highly-qualified team has since specialised in the development of individual customer solutions in the application areas of medicine, research and biotechnology, digital imaging and optic data storage, as well as quality assurance and measurement techniques/test methods. Development and production correspond with both European and US American guidelines. The Asian market is currently being conquered by trail-blazing new developments in DVD Mastering. The laser systems developed in modular design allow meeting individual customer requirements to an optimum level, and to support customer with system integration. Omicron holds the claim to always being a step ahead in matters of product development and with its numerous new developments in laser technology has not only set trends, but has also come up with international sensations.

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