
Press release

January 11, 2012

Z-LASER's redesigned ZQ laser source family offers higher power, outstanding beam quality for machine vision applications

January 11, 2012 – Freiburg, Germany – **Z-LASER**, a leading manufacturer of lasers and laser systems, is announcing the release of the re-designed the **ZQ** family of laser sources. The new versions offer higher power and outstanding beam and laser line quality for several types of projections: fiber, homogeneous lines, collimated beam, and structured light. “The temperature-controlled laser source improves wavelength stability,” explains Christoph Schlägl, Development Engineer in Microsystems Technology, **Z-LASER**. “Now that we’ve combined it with the graphical user interface for setting power and monitoring all relevant laser parameters, the laser can be completely remote-controlled.”

The new **ZQ2** high-precision laser source system boasts a Boresight accuracy of less than 3mrad and outputs up to 7000mW at wavelengths between 600-1100nm. The **Z1000Q1-F-808** is the only laser on the market with an output of 1W at 808nm and is accurate to 300µm (FWHM; in 1500mm focus), making it ideal for applications that require the highest measuring resolutions. The internal design of the ZQ1 is laser coupled with an integrated thermoelectric cooler that allows a very high level of stability and minimum bore sight error.

Both products are feature integrated optics, electronics and active temperature control in a self-contained enclosure and support a variety of communication interfaces: RS-232, USB, Ethernet, PLC, each of them galvanically isolated.

To see a complete ZQ list of features or to download the product datasheet, click <http://www.z-laser.com/index.php?id=45&L=1&group=29>
To download a product photo, visit <http://www.z-laser.com/downloads.html>.

About Z-LASER

Established in 1985, **Z-LASER** is a recognized developer of laser systems for industrial, medical and laboratory applications. Staffed by a team of creative engineers, **Z-LASER** finds innovative solutions and applications for optoelectronics and laser technology.

For more product highlights visit us at Photonics West 2012 in San Francisco, stand 2231 or visit www.z-laser-america.com.

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