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IMRA America Introduces New Femtolite HX-150 Femtosecond Fiber Laser: Adjustable Power at Dual Wavelengths

January 16th, 2012 - Ann Arbor, MI - IMRA America, Inc. is pleased to introduce the Femtolite HX-150, the latest addition to the long standing Femtolite femtosecond fiber laser product series, which includes the Femtolite FX-100i and our well-known Femtolite Ultra models. The Femtolite HX-150 offers emission at both 1620 and 810 nm. The laser allows adjustment of the average power at one of these wavelengths, with up to ≥ 200 mW at 1620 nm or up to ≥ 150 mW at 810 nm, or simultaneous emission at both wavelengths. A slider bar enables continuous adjustment of the two signals' average power.

Applications of the new product include multi-photon fluorescence microscopy, second harmonic imaging, terahertz wave generation and detection, laser lithography and ultrafast spectroscopy.

With dimensions of 23.0 x 19.3 x 7.6 cm³ and a controller size of 30.7 x 20.7 x 13.5 cm³, the HX-150 is easy to integrate into complex systems or OEM products. Operating the HX-150 is simple, and can be done either directly from the front panel controls or remotely via an RS232 interface. The fiber-based design ensures that no adjustment, alignment or optical tweaking is required. Each laser goes through extensive environmental testing at our facility in Ann Arbor, MI. Most importantly, IMRA's quality control and impeccable reliability guarantee dependable operation and ultimately, peace of mind.

The Femtolite HX-150 will be on display at the upcoming BiOS (booth #8400) and Photonics West (booth #604) exhibitions in San Francisco, CA, January 21-26, 2012. Qualified potential customers can also evaluate the laser's suitability for their applications before purchase through IMRA's product demo program.



About IMRA America

Headquartered in Ann Arbor, Michigan, IMRA America, Inc. was founded in 1990 as a global-acting company dedicated to being the leader in the development of ultra-fast fiber laser technologies for commercial applications. The company's pioneering technologies, rigorous quality control and high volume manufacturing operation make IMRA's products the sound choice for scientific, OEM and industrial use. With their compact size, high stability and maintenance-free operation, IMRA fiber lasers are ideal optical pulse sources for applications in material processing, semiconductor inspection and repair, homeland security, instrumentation, medical diagnostics and therapy, and telecommunications. They are based on IMRA proprietary fiber oscillator, fiber amplifier, and advanced pulse compressor technologies, which are documented in over 150 U.S. and world-wide patents and patent applications. For coverage of Japan and other expanding Asian markets, the IMRA Japan Branch Office in Kariya City, Japan, was opened in April 2010. The company's guiding principle is the visionary philosophy established by Mr. Minoru Toyoda, honorary advisor to IMRA's parent corporation Aisin Seiki: "World Harmony through the Development and Sharing of Science and Technology." More information about IMRA is available at www.imra.com.

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