

Imagine Optic launches HASO R-Flex

PHOTON Research Industry, Paris France, October 26, 2010 – Imagine Optic, Europe’s leading provider of high-precision wavefront metrology and adaptive-optics solutions, is proud to announce HASO R-Flex as the latest addition to its product line.

HASO R-Flex is a compact, auto-illuminated wavefront sensor that is available in a variety of configurations to meet the needs of customers that want to accurately characterize large concave mirrors, lenses on-axis or in the field, complex optical systems, beam expanders or external sources. HASO R-Flex combines a HASO Shack-Hartmann wavefront sensor (available in 32x40, 76x100 or 128x128 configurations), a collimator, a focusing objective and a laser diode. It provides a standard measurement accuracy of $\lambda/100$ rms, $\lambda/200$ rms in double-pass configurations, and benefits from HASO’s insensitivity to atmospheric turbulence or vibrations.

“We designed HASO R-Flex to be a versatile and polyvalent instrument” note Guillaume Dovillaire, Imagine Optic’s CTO. “Because different users have different needs, the $f/\#$ of HASO R-Flex can be adapted to each user’s requirements by choosing the focusing module best suited for the task at hand. As the sample $f/\#$ defines the best focusing module, we provide standard factory models from $f/\#=2$ to $f/\#=30$ to ensure maximum resolution, whereas custom models for special needs can equally be delivered.”

HASO R-Flex is delivered with HASOv3 wavefront analysis software. Customers can purchase additional focusing objectives for different applications as well as software add-ons including Point Spread Function (PSF) and Modulation Transfer Function (MTF) depending on their needs.

Visit Imagine Optic at PRI/OPTO 2010 from October 26-28, 2010 on stand J9. For more information, please visit www.imagine-optic.com or call +33 (0)1 64 86 15 60. Members of the press are invited to contact Mark Zacharria by phone on +33 (0)1 64 86 15 60 or by mail at mzacharria@imagine-optic.com.

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More about Imagine Optic

Imagine Optic is Europe’s foremost provider of high-precision Shack-Hartmann wavefront sensors and adaptive optics products. The Company was founded in Orsay France in 1996 to respond to the need for high-precision/wide-dynamic range wavefront metrology and adaptive optics products. Primary applications include high-power lasers, life-sciences microscopy, optical characterization and industrial quality control. Imagine Optic currently employs over 20 qualified professionals in a variety of fields and is represented internationally by its extensive distributor network.