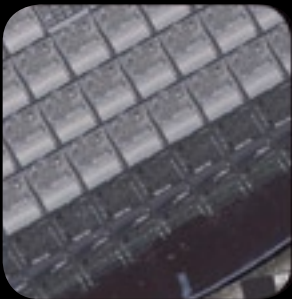
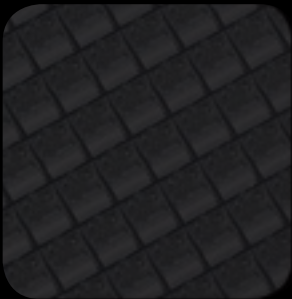
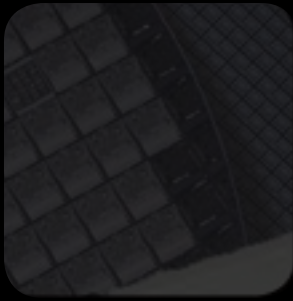
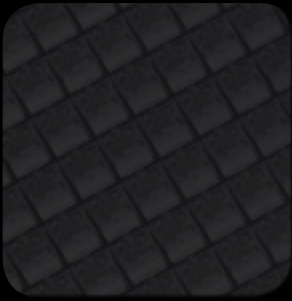


HASOTM

UV



*Imagine Optic*TM

HASOTM

UV

Our HASO UV Hartmann wavefront sensor is the ideal tool for customers working in the ultraviolet spectrum (190 – 300 nm). They provide fast, accurate and reliable measurements by taking advantage of the HASO family's standard functionalities that customers have come to rely on, including absolute measurement, unequalled accuracy and insensitivity to vibration at speeds up to 20 Hz.



HASO UV is the ideal tool for UV optical component metrology (mirrors, lenses, flat windows, etc.) and, when couple with our HASO v3 software, enables you to perform both zonal and modal wavefront reconstruction; calculate the PSF*, MTF* and Strehl ratio*; visualize the spot diagram; and obtain the M²* parameter. These sensors are equally perfect for aligning and characterizing optical systems used in microlithography, measuring thermal and gravitational effects, and mechanical deformities.

Aperture dimension	7.8 x 7.8 mm ²
Number of sub-apertures dedicated for analysis	50 x 50
Tilt dynamic range	till ± 1.5°
Focus dynamic range ¹	± 0.030 m to ± ∞
Maximum operating aperture (half angle sinα)	0.1 (max)
Repeatability (rms)	~ 1.5 nm
Wavefront measurement accuracy in absolute mode rms ²	~ 3.5 nm
Wavefront measurement accuracy in relative mode rms ³	~ 2.5 nm
Tilt measurement sensitivity (rms)	0.5 μrad
Focus measurement sensitivity (rms)	2.5 · 10 ⁻⁴ m ⁻¹
Spatial resolution	~ 160 μm
Acquisition frequency / processing frequency	~ 20 Hz / ~ 3 Hz
Wavelength	193 - 300 nm
Working temperature	15 - 30° C / 5 - 45° C
Interface	CamLink

(1) For the central wavelength: 470 λ for the HASO UV 50. (2) wavefront directly measurement by the wavefront sensor (no added lens). (3) difference between a referenced wavefront and the measured wavefront, in a range < 10 λ.

To learn more and to find a distributor near you, please visit imagine-optic.com or call +33 (0)1 64 86 15 60.



imagine-optic.com