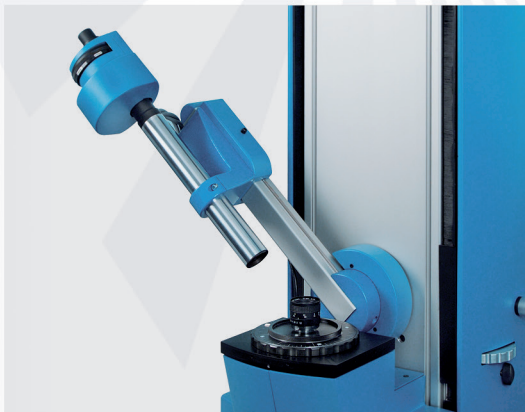


Options and Upgrades ImageMaster® HR

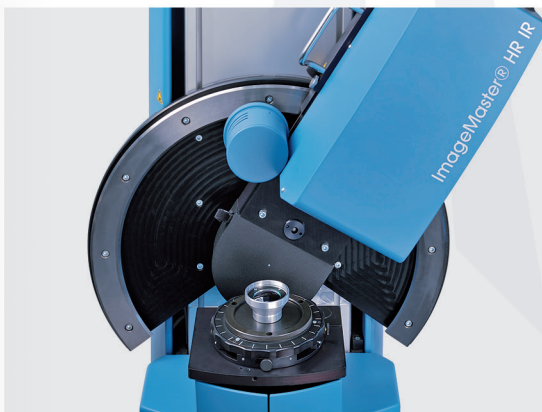
TRIOPTICS continuously improves the ImageMaster® HR and offers a wide range of possible options and upgrades.



- Motorized finite conjugate stage with manual or motorized object generator. The motorized object generator is mounted on a rotatable table in order to illuminate the reticle in the direction of the sample for off-axis measurements. This is needed for small samples or low light conditions.



- Various collimators with focal length and clear aperture for high flexibility
- Motorized reticle and filter changer for infinite conjugate to measure with least interaction of an operator. The lateral chromatic aberration can be measured more accurately as the filter will be changed automatically with no vibration of a manual change.
- Motorized ultra-precision sample holder with a radial runout better $3 \mu\text{m} / 6 \text{ arcsec}$ for more accurate measurements of tilt sensitive samples.



- Additional filters and reticles
- Extensions of nearly all stages to suit the customer's needs
- Extensions for the spectral ranges NUV, NIR, MWIR and LWIR. MWIR and LWIR are based on the time-saving area sensor method as well.

Additional measurement options:

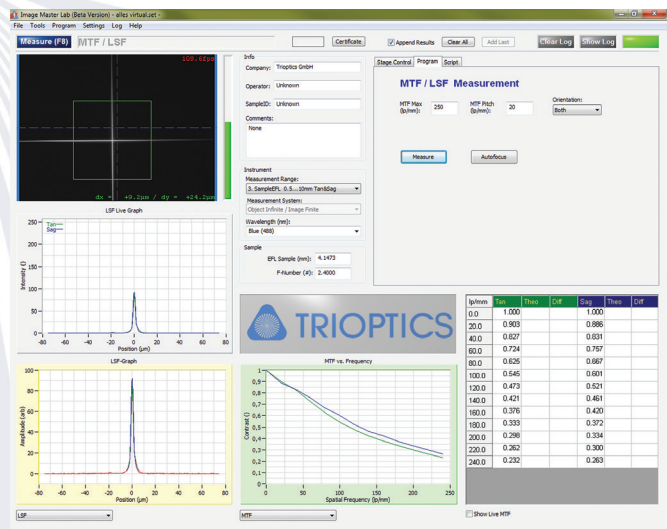
- Encoder supported distortion measurement for highest accuracy
- F-number measurement
- Relative illumination measurement

All these features can be realized with our new software MTF-Lab. Measurement systems operating with MTF-Field can be upgraded easily against a license fee. The advantages of MTF-Lab are:

- Functions for easier alignment of the sample under test
- Intuitive user interface and time saving lens test routines
- Customizable test configuration set-ups with improved script language for individual test routines
- The test results are available in a variety of file formats. The certificate will be created in HTML format.
- MWIR and LWIR will be supported employing the innovative area sensor method



TRIOPTICS also offers a service package for the re-calibration and re-certification of your existing instrument including software upgrades and other useful maintenance services.



You would like to upgrade your instrument or need a service? Please contact us for further information. We are happy to provide a suitable quotation for you.