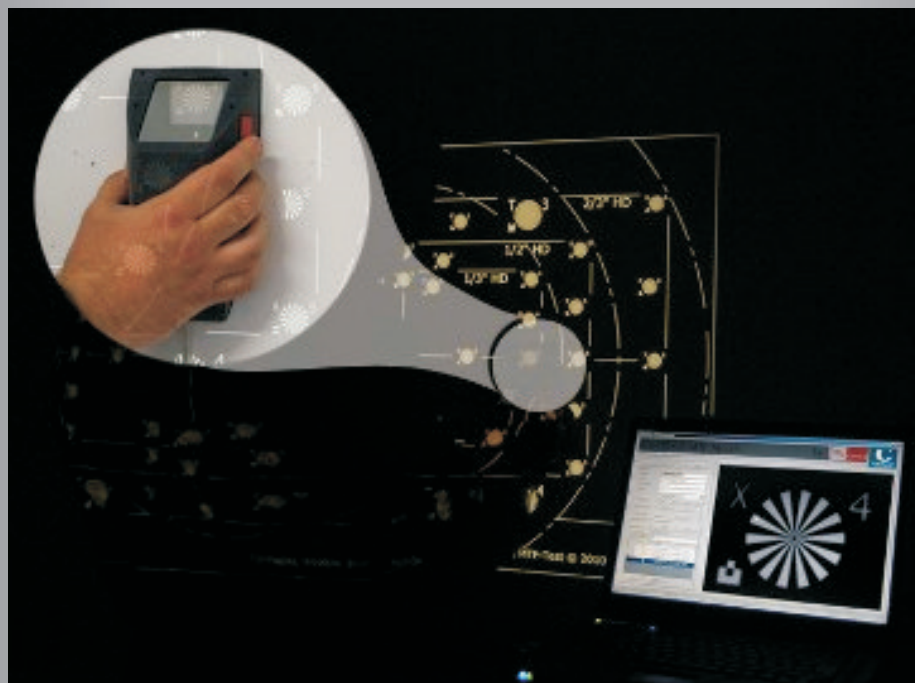


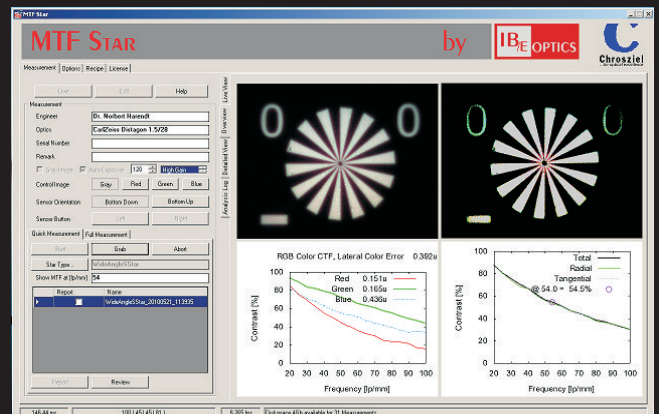
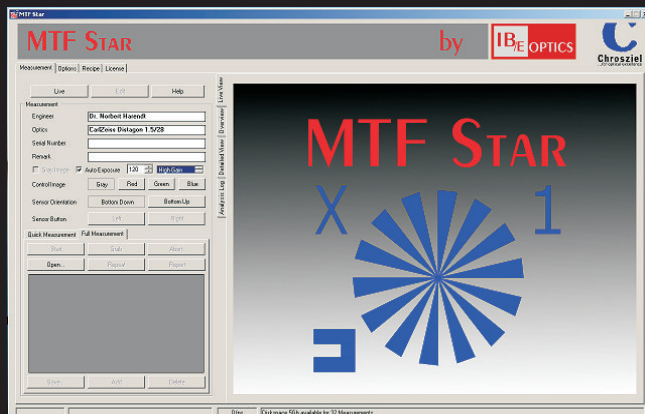
MTF STAR

THE NEW WAY TO ANALYZE LENS QUALITY



MTF STAR

WINNER OF THE CINEC AWARD 2010 IN THE CATEGORY "OPTICS"



MTF Mouse and **MTF Star** software offer a new and unique way to analyze optical performance. Together they turn any Chrosziel projector into a powerful MTF and color aberration evaluation tool. Developed through a partnership between IB/E and Chrosziel, the MTF Star allows you to perform visual projection tests and view the results electronically in the form of pictures, graphs and tables.

The data can then be saved for future reference, shared remotely with colleagues as pdf files, printed and kept with the lens as protocol, or used for presentation and comparison.

The MTF Star uses a totally different and unique method. A camera with a lens optimized for very close field is focused on a projected Siemens star, whose size may vary from approximately 20 to 40mm (maximum).

The difference in star sizes – from the original test chart to the projected size – makes the task of sensing resolution very easy with the handheld MTF Mouse. To measure a resolution of 100 lp/mm, the sensor only has to resolve 1 lp/mm. Even skeptics will admit this is a doable task. The computer displays the picture being measured, the MTF value of the position selected on the graph, and the reference resolution as a percentage (e.g.HD-resolution 54 lp/mm).

Radial and tangential measuring results are displayed individually as well.

When using visual inspection, any color aberrations could only be evaluated through comparison with other lenses. Determination of which lens was better had to be guessed at without measured values.

The MTF Star detects the lateral color aberration and displays the three RGB curves with numerical values as well as total displacement.

The system offers:

- Visual evaluation
- Objective measuring of MTF and lateral color aberration according to EBU Tech 3249
- Reports of all results in the form of tables and graphs
- Ability to save reports as a pdf file
- Convenient workflow and evaluation of results at the work station
- Easily shareable results and reports to keep with the lens as protocol