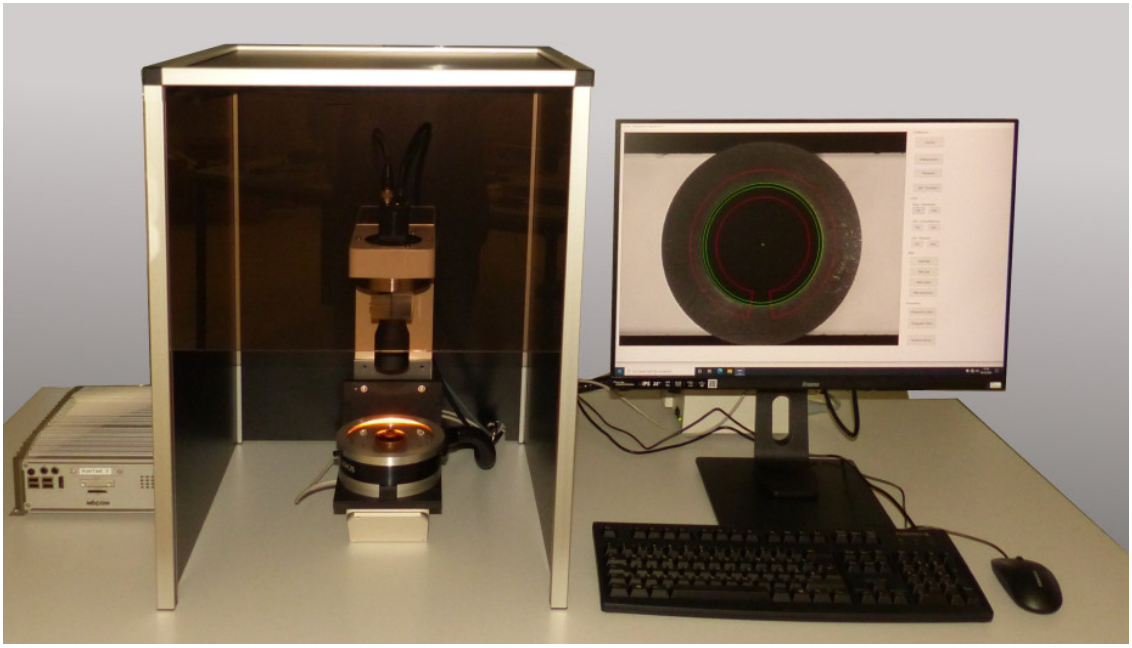
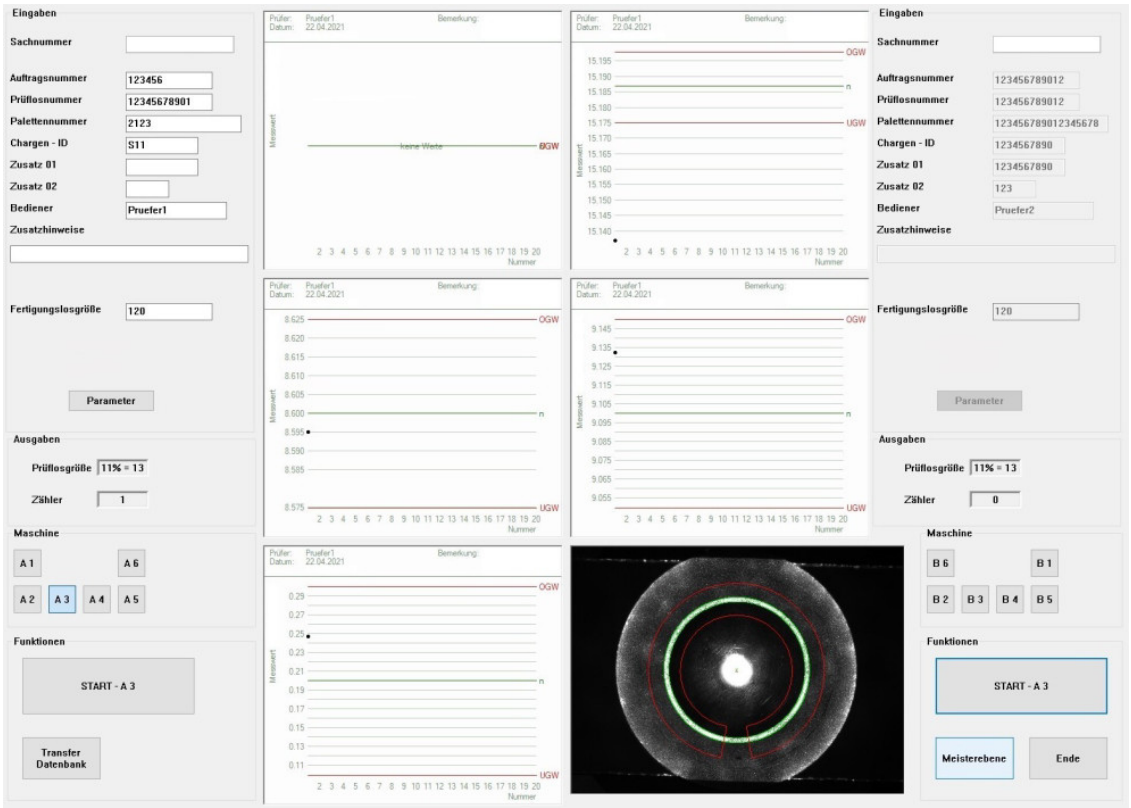
Steinbeis
Qualitätssicherung und
Bildverarbeitung GmbH

LensTest - Sample

Measuring device for geometric features on lenses

The LensTest sampling measuring device is used to measure the outer diameter, bevel width and concave opening on a lens. It is suitable for spot tests in the series production of lenses. The test specimens are manually inserted into the device. The measuring range is approx. 18 mm x 15 mm. The measurement uncertainty (object-dependent) for the outer diameter has been proven to be +/- 0.002 mm. A measurement report is output.



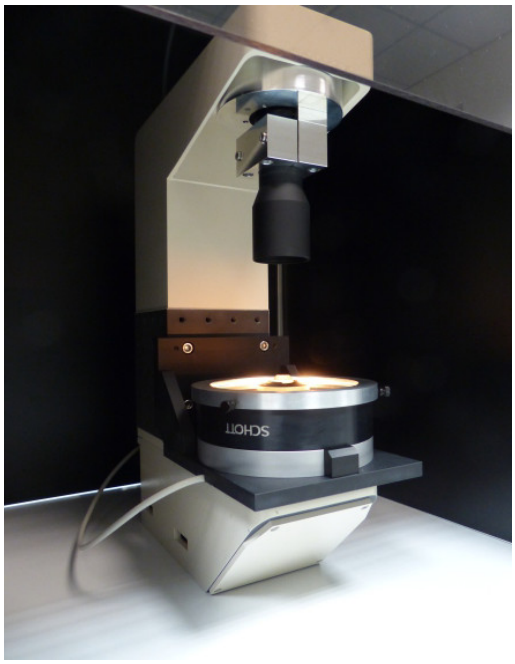


Technical Data

- Hardware
- Measurement with telecentric lens
- Bright transmitted light (also penetrates optical protective coating)
- Telecentric transmitted light
- Ring light with light guide cable and light generator
- Manual insertion of the test object
- CCD camera with Gigabit Ethernet connection 1280 x 1024 pixels
- Compact PC, 64 bit. Windows 10

Software

- Automatic measurement sequence with control of the illuminations according to test plan.
- Display of the measurement results and colour marking according to their position in relation to the stored tolerance range
- Continuous display of the measured characteristic values in quality control charts
- Measuring time per test object approx. 8 to 15 s
- Storage of measurement results in local database and company database possible



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