

AspheroMaster[®]

Surface Profile and Wave Front
Deformation of highly aspheric surfaces



Surface & Wave Front
Metrology

AspheroMaster[®]
AspheroStar[®]
OptiSurf[®]

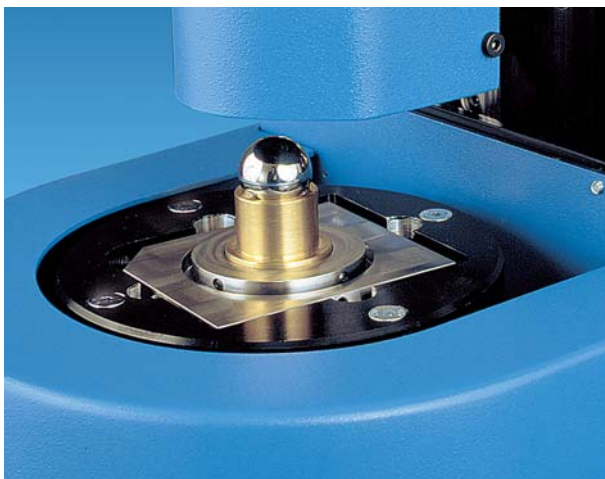
AspheroMaster®

Surface Profile and Wave Front Deformation of highly aspheric surfaces

One of the main challenges of the manufacturing of more compact digital camera lenses and ultra flat mobile phone is related to fast, flexible and highly accurate measurement of the aspheric lenses and moulding tools.

The new **AspheroMaster®** developed by TRIOPTICS is a worldwide new optical scanning laser sensor providing full 3D surface and wave front profiling at the required measurement uncertainty in sub micrometer range.

The range of applications cover mobile phone and digital camera lenses, contact and intraocular lenses and pick up lenses for CD/DVD appliances.



Even when measuring moulding tools, aspheric mirrors and many other aspheric surfaces **AspheroMaster®** provides accurate and reliable data in a short measuring time. Further features:

- **Measurement in reflection and transmission**
- **Measurement of highly aspheric surfaces (up to 7° deviation from the sphere)**
- **Large measuring range (Swivel range of the sensor head +/-90°)**
- **Very high spatial resolution: down to few µm spot size**
- **Non-contact measuring method**
- **No reference needed**
- **Easy and fast alignment of the sample**

