



Tel: +44 (0) 1604 654220  
Fax: +44 (0) 1604 654221  
Email: [info@armstrongoptical.co.uk](mailto:info@armstrongoptical.co.uk)  
Web: [www.armstrongoptical.co.uk](http://www.armstrongoptical.co.uk)

Armstrong Optical Ltd  
31 Caxton House  
Northampton Science Park  
Kings Park Rd  
Northampton, NN3 6LG  
United Kingdom

## $\mu$ Phase<sup>®</sup> Turnkey Systems

$\mu$ Phase<sup>®</sup> PLANO DOWN ,  $\mu$ Phase<sup>®</sup> PLANO UP &  $\mu$ Phase<sup>®</sup> SPHERO UP

### The Perfect Interferometers for Use in Production

These extremely compact and cost effective turnkey interferometers are ideally suited for production. With their small footprint they can be positioned next to the production machine and samples are measured directly after machining. These three interferometers differentiate in the position of the sample during the measurement process and the samples they can measure.  $\mu$ Phase<sup>®</sup> PLANO/SPHERO UP interferometers measure flat/spherical optics upwards, the sample is positioned on the top of the instrument. The  $\mu$ Phase<sup>®</sup> PLANO DOWN positions flat samples on the base of the instrument.

### Advantages of $\mu$ Phase<sup>®</sup> SPHERO UP, $\mu$ Phase<sup>®</sup> PLANO UP, $\mu$ Phase<sup>®</sup> PLANO DOWN

- For measuring various flat or spherical components
- Intuitive and easy handling enables the usage by untrained personnel
- Measuring range:
  - $\mu$ Phase<sup>®</sup> PLANO DOWN: flat surfaces,  $\varnothing$  2 mm to 150 mm
  - $\mu$ Phase<sup>®</sup> PLANO UP: flat surfaces,  $\varnothing$  2 mm to 100 mm
  - $\mu$ Phase<sup>®</sup> SPHERO UP: spherical surfaces, radius of curvature (convex) from 2 mm to 225 mm and diameters up to 55 mm (convex), concave surfaces, radius of curvature -3 to  $-\infty$
- Small footprint
- Compact table configuration for costeffective testing of larger series components right next to the production machine
- Suitable for integration into automated production lines
- $\mu$ Phase<sup>®</sup> SPHERO/PLANO UP systems are vibration insensitive



Plano Down

Plano Up

Sphero Up