



Optical Profiler

Measured values

- 3D surface metrology

Principle

- Veeco NT9100 profiler, vertical scanning interferometry (VSI) and phase shifting interferometry (PSI)
- Objectives: 2.5X, 10X und 50X, motorized turret
- „Stitching“ for measurements over large lateral areas
- Auto stages for sample positioning, travel range: z: 100 mm, x,y: 150 mm
- Vertical Measurement: 0.1 nm bis 10 mm

Application

Non-contact 3D surface metrology of super-smooth to very rough samples, analysis software for surface parameters e.g., roughness, flatness, volume

Literature / References

- Infobroschüre: [http://www.veeco.com/pdfs/brochures/B506-Rev_A7-Wyko_NT_Series_Optical_Profilers-Brochure_\(HiRes\).pdf](http://www.veeco.com/pdfs/brochures/B506-Rev_A7-Wyko_NT_Series_Optical_Profilers-Brochure_(HiRes).pdf)
- Weitere Infos: <http://www.veeco.com/pdfs/webinar-slides/A-First-Look-at-NT9080-webinar-slides-100408.pdf>

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This handout, and cross-references to related measurement techniques and facilities are available at: <http://messtec.dlr.de/link-564-en>.