

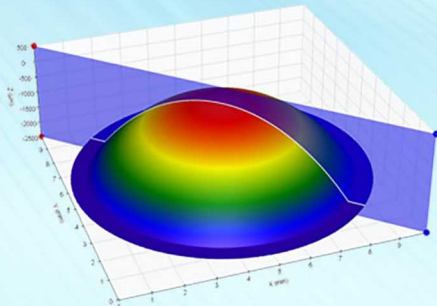


Opto Alignment

LAS-SPM™

Economical, Quick-Attach, 3D Surface Profiling Module for LAS

- Convert your LAS into a powerful 3D surface profilometer in seconds
- Powerful CalcuSurf3D™ Software Recipe Generation, Data Acquisition, and Surface Analysis
- Quick and easy to use with a short learning curve
- Ideal for 3D profiling of aspheric and freeform surfaces up to 100mm in diameter and 50mm in height
- Mid range accuracy (200nm)



- Economical Quick-Attach 3D Surface Profiling Module for LAS
- Quick-Attach design permits fast assembly and disassembly
- Convert your much-loved LAS into a powerful 3D surface profilometer in seconds for a fraction of the cost of purchasing a dedicated system
- Economical 3D surface profiling is enabled by adding a precision radial scanning axis to the existing encoded vertical stage and rotary air bearing of the LAS
- Designed to meet mid-range accuracy (200nm) needs using latest-generation nm-resolution piezo scanning and non-contact chromatic confocal height measurement technologies
- Quick and easy to use with short learning curve. Ideal for 3D profiling of aspheric and freeform surfaces up to 100mm in diameter and 50mm vertex height
- User friendly CalcuSurf3D™ Recipe Generation, Data Acquisition, and Surface Analysis software permits optimized measurement sampling density for best coverage at highest throughput
- Extensive 3D Surface plotting and data reporting functions



| 3D-SPM Specifications | | | |
|---------------------------|---------------------|--------------|------------|
| Technique | Chromatic Confocal | | |
| Application | Distance, Thickness | | |
| Sampling | 4000 points/sec | | |
| Maximum Sample Volume | ø100mm x 50mm | | |
| Available Probes | 0.2 mm | 1 mm | 4 mm |
| Lateral Resolution | 1.7 µm | 2.5 µm | 4 µm |
| Working Distance | 5 mm | 16 mm | 37 mm |
| Vertical Resolution | 8 nm | 40 nm | 160 nm |
| Vertical Accuracy | 200 nm | 400 nm | 1.6 µm |
| Maximum Slope | 60° | 40° | 20° |
| Thickness Measuring Range | up to 0.3mm | up to 1.5 mm | up to 6 mm |

