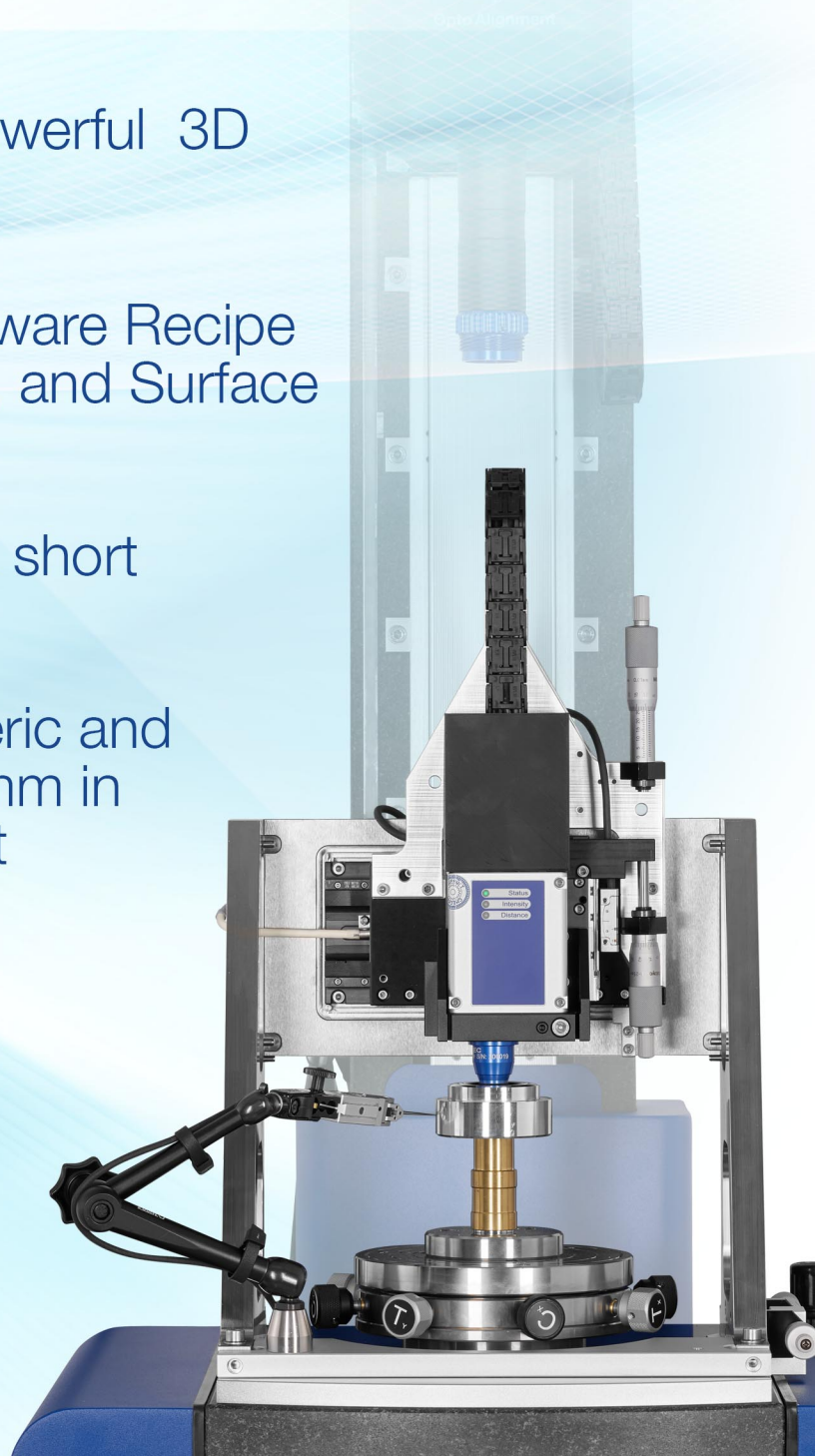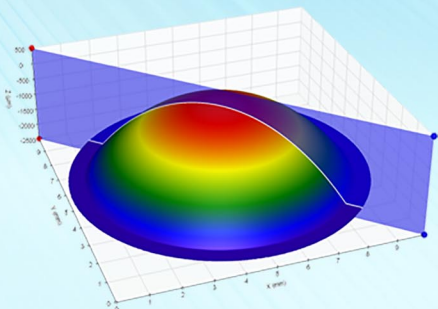# Opto Alignment

LAS-SPM™

## *Economical, Bench-Top, 3D Surface Profiling Module for LAS™*

- Convert your LAS™ into a powerful 3D surface profilometer

- 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)

Designed and Built in the USA

- Economical 3D Surface Profiling Module for LAS™

- Convert your much-loved LAS™ into a powerful 3D surface profilometer

- Economical 3D surface profiling is enabled by using dual high precision linear stages on the Z and radial axis above the rotary air bearing

- 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 QuickPro™ and CalcuSurf3D™ offer 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
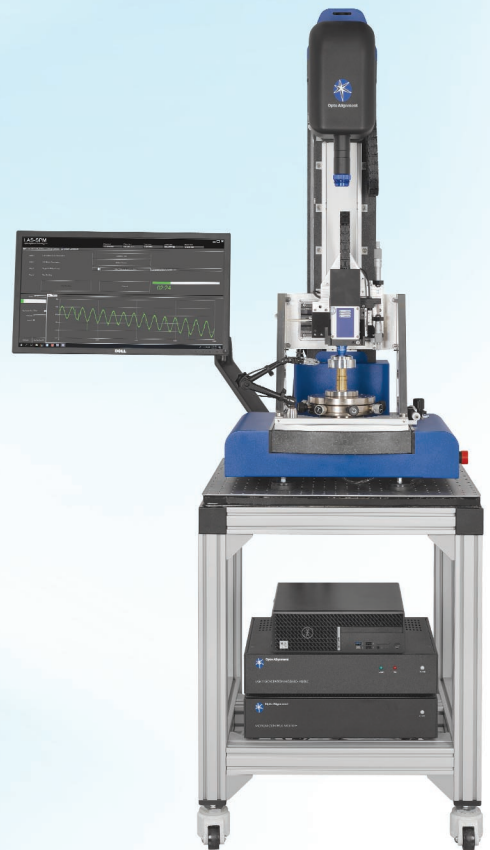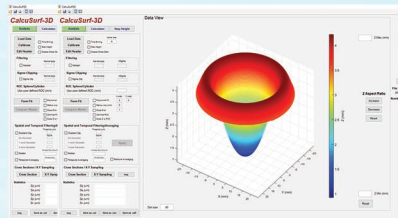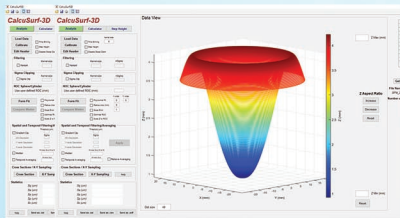
3D-SPM Specifications			
Technique	Chromatic Confocal		
Application	Distance, Thickness		
Sampling	4000 points/sec		
Maximum Sample Volume	ø100mm x 50mm		
Available Probes	0.5 mm	1 mm	4 mm
Lateral Resolution	2 µm	2.5 µm	4 µm
Working Distance	11 mm	16 mm	37 mm
Vertical Resolution	10 nm	40 nm	160 nm
Vertical Accuracy	200 nm	400 nm	1.6 µm
Maximum Slope	50°	30°	15°
Thickness Measuring Range	up to 0.75 mm	up to 1.5 mm	up to 6 mm