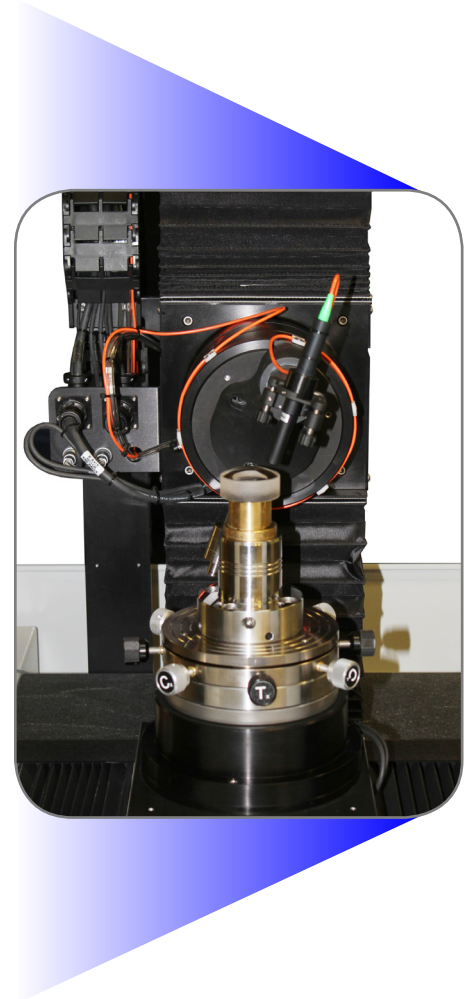


# OPTIPRO

## UltraSurf 5X 5-Axis Non-Contact Measurement



UltraSurf 4X 100 shown



**UltraSurf 5X: 5-Axis non-contact optical 3-D scanner for measurement of complex optical surfaces. Interchangeable optical probes enable non-contact surface and thickness measurements of ground or polished parts.**

# 5-Axis Ultra Precision Measurement System



## Current Measurement Abilities

### Rotationally Symmetric

- Sphere, Hemisphere, Asphere, Ogive
- 4 total axes of movement, 1 during data collection

### 2-Dimensional X-Y

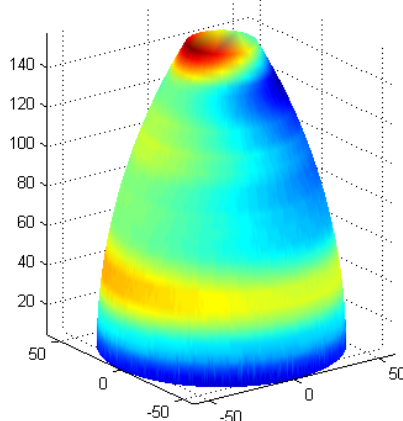
- B-Axis can move probe to keep normal
- 3 total axes of movement, 1 during data collection

**UltraSurf 5X System Specifications for 100 and 200 Models**\*

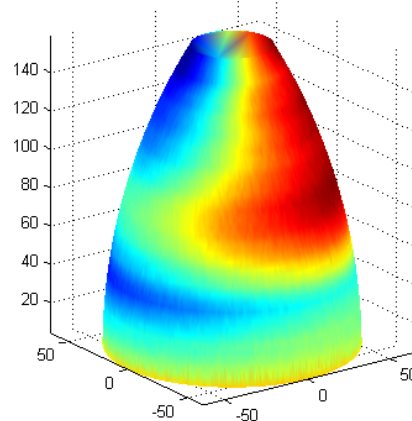
Model:	UltraSurf 5X 100	UltraSurf 5X 200	UltraSurf 5X 100 and 200	
Axis:	X, Y, Z	X, Y, Z	B	C
Travel:	100 mm	200 mm	360°	360°
Resolution:	5 nm	5 nm	0.274 seconds	0.274 seconds
Max. Velocity:	30 mm/s	30 mm/s	6 RPM	6 RPM

Unlike any alternative, UltraSurf is the only measurement system that can measure the **thickness** and **quality** of both the inside and outside surfaces of unusually shaped optics or other parts without touching them.

Ogive Inside Figure Error



Ogive Outside Figure Error



\*Specifications subject to change. For the latest specifications of the UltraSurf 5X, please contact OptiPro Systems or go to [www.optipro.com](http://www.optipro.com)



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