

iOptron 3D Optical Profiler System

iOptron's 3D imaging system is a simple, fast, accurate and cost effective 3D topography device. It utilizes the scanning white light interferometry which enables precise, non-contact, non-destructive measurement and analysis of hard or soft, robust or delicate surfaces. It is an ideal tool for surface characterization and 3D measurements such as profiles, heights, roughness and waviness parameters. The device can be configured based on different budget levels either as a system or as add-on components for the existing microscope systems.

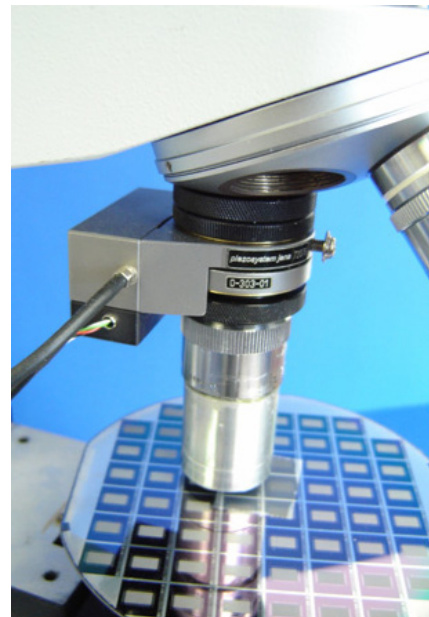


Features

- Non-contact 3D surface measurement
- High resolution
- Flexible platform
- Cost effective

Applications

- Precision machined surfaces
- Optics and fibers
- Ceramics, solders, paper, and plastics
- Semiconductors and MEMS devices
- Film and foil
- Magnetic heads and disks
- Polymers and biomateria



Key Specifications

Measurement Technique	Non-contact, three dimensional, scanning white light inteferometry
Scanner	Closed-loop, piezo-based
Objectives (magnification of objective lens)	4X, 10X, 20X
Illuminator	Long-life white light LED
Test Part Material	Various surfaces: opaque, transparent, coated, uncoated, specular, and nonspecular
Test Part Reflectivity	1~100%
Vertical Scan Range	5µm, 500µm, 5mm
Vertical Resolution	1nm, 10nm, 100nm

For More Information

For More information about iOptron Corporation' leadership in functional imaging systems, visit our website at www.ioptron.com.

To obtain additional technical information or to place an order for this product, please contact us:

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