# **METROLOGY**

Providing Solutions for variety of industry challenges!

#### **Table Top Systems**





Cater for different surface challenges (Reflective, Rough, high angle etc.)

Customizable Stage Size (up to 12" wafer sizes)

Transparent Film Thickness









## Integrable Inline Sensor



- 2-in-1 Technology (Confocal & Inteferometry)
- All electronics and PC embedded
- Size: 90x200mm
- Weight: 5.5kg



#### S-Wide



Fringe Projection

- 3x3cm per areal measurement for high throughput
- 300x300mm stage size



## Technologies in 1 Sensor Head



#### 1) Confocal

Smooth to Rough Surface Good XY Resolution





#### 2) Al Focus Variation

High Slope Surface Up to 86° High Speed Scanning





#### 3) Interferometry

High Vertical Resolution Z-Height Down to: (0.1nm; 0.01nm Piezo)





#### 4) Thin Film Measurement

Min 50nm to mm level Thickness



**Automatic Software** 



Automated Multiple Measurement Points, Automatic Fiducial Points Alignment and more!



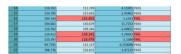
-Advance analysis tools for complex surface / tight analysis requirements



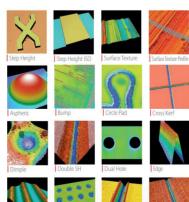
4D Application: Die Warpage with Temperature & Time



-Auto Data Analysis for Rapid Pass & Fail Judgement



#### **Customizable Analysis Plugins:**







# METROLOGY

### 5 -axis



Multi -angled measurement for cylindrical





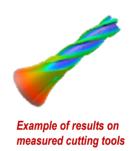


Jig holder able to cater to different sample diameter



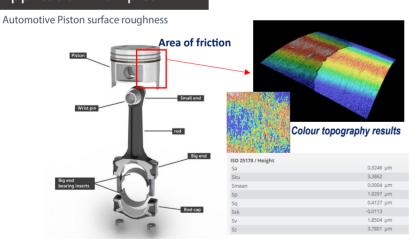
**Cutting Radius analysis** 





Motorized stage with 5-axis movement for automatic measure

### **Application Examples**



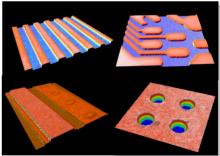
Jet Turbine Measurements



Cooling Holes on jet turbines



PCB dimension M easurements



Copper trace depth Dimple depth Via Hole Film thickness

Other Automotive Applications:



Defect/Scratches on Disc Brake

















