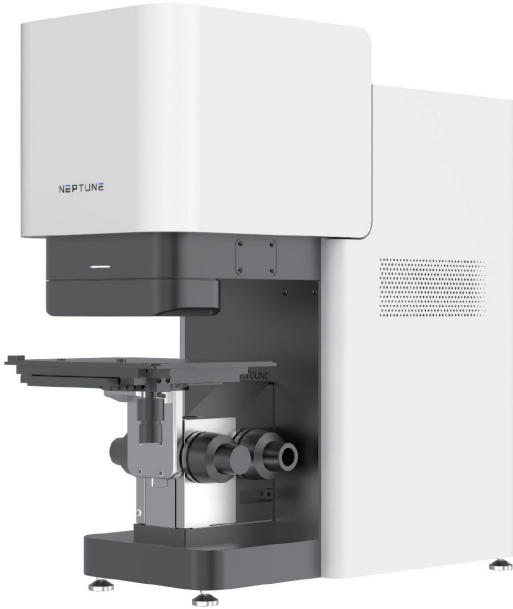
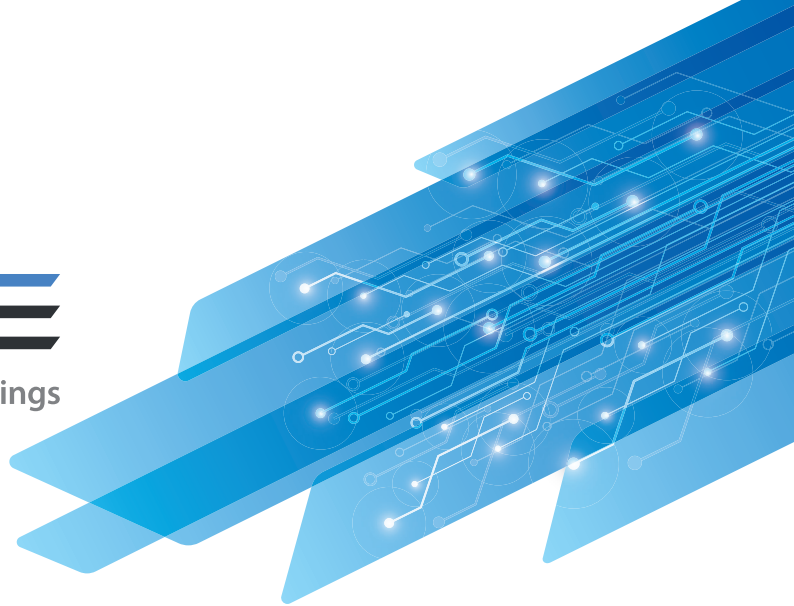


NEPTUNE

The next small thing: you can see invisible things



The Industry's First 3D Optical Measurement Instrument for Transparent Materials

In many ways, our emotions define our existence. Emotions are inside each of us, but most of us keep them hidden deep below the surface, revealing them intermittently. Like the God of the Sea, Neptune reveals what cannot be seen.

Explore the UNSEEN – Neptune can measure everything to achieve complete transparency, even your hidden feelings.

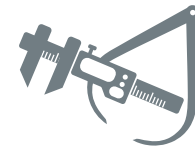
Why Neptune?



- Non-destructive 3D Inspection of coating thickness



- Available for the various materials (coating, underfill, epoxy, glue, bond) inspection



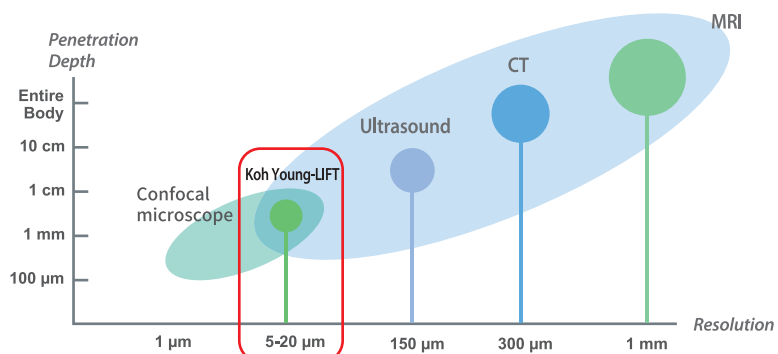
- Accurate measurement of the thickness of underfill & other transparent materials

Koh Young LIFT Technology

- Laser Interferometry for Fluid Tomography
- Providing multi-layer fluidic structure images

Resolution & Imaging Depth Comparison

- Pathology lab
- Clinical Imaging

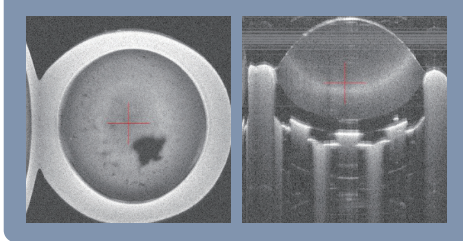


Applications

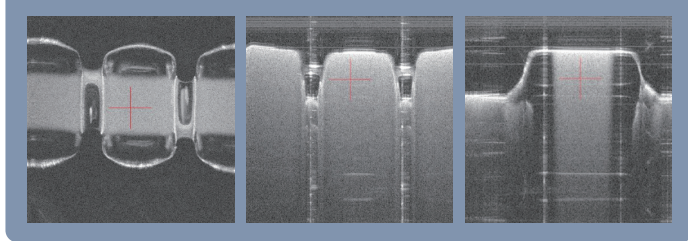
Neptune is suitable for applications from lab testing to industrial inspection

- Industries: Automotive, military, aerospace, marine, lighting, industrial, mobile, and green energy applications requiring 3D inspection of transparent, translucent, or pigmented materials
- Applications: LED lens, phosphor, adhesives, and bumps in AP chip, etc.
- Materials: Suitable for acrylic, silicone, polyurethane, water-based, UV cure, and hybrid coatings

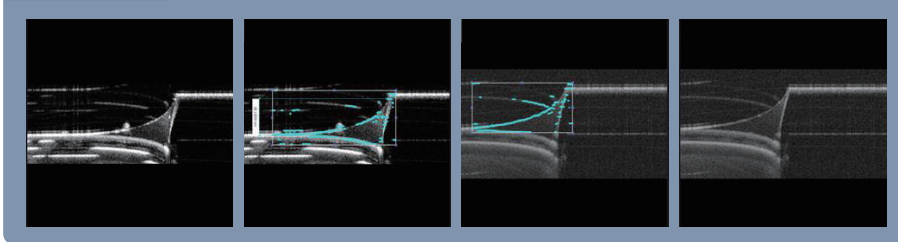
LED Lens



Coating

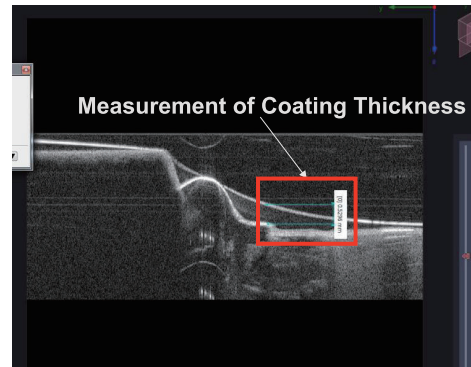
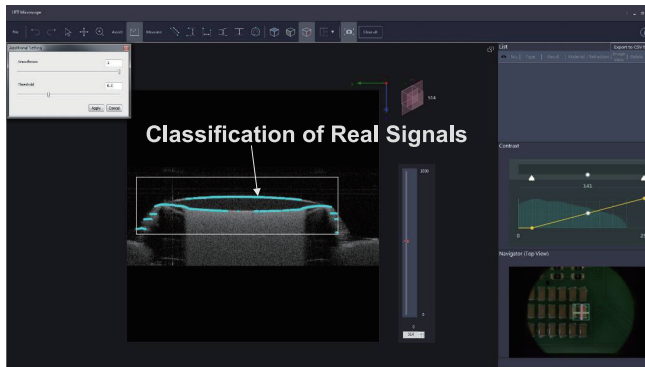


Underfill



Capabilities

- Thickness measurement of transparent and semi-transparent materials
- Classification the real signals from the raw images



[FRONT]



[LEFT]

Specifications

Tomography	Possible ^a	
XY Resolution FOV Size	7 μ m ^b	4mm×4mm
Z Resolution	10 μ m	
Image Range	3.6mm	
Measurement Time	12 sec/FOV	
Applications	Thickness Measurement of Transparent Material	

a. The penetration for tomographic imaging depends on the material of sample.

b. This value is guaranteed at the best focus.

Certain types of inspection may not be possible depending on the type or property of the material.



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Koh Young Technology, Inc

14th Floor, Halla Sigma Valley, 53 Gasandigital 2-ro, Geumcheon-gu, Seoul, 08588, Korea

Tel +82-2-6343-6000 Fax +82-2-6343-6001 E-mail info@kohyoung.com

