



## Another Global Technology Award for Koh Young

Atlanta, GA – Koh Young, the industry leader in True3D™ measurement-based inspection solutions, earned another award for its product innovations. The Global Technology Award was presented to Juan Arango, the Managing Director of Koh Young America for the new Neptune T Dispense Process Inspection (DPI) solution during the virtual SMTA International show on 29 September 2020.

“I am proud of the solutions Koh Young consistently delivers to address industry challenges. I am equally proud of the fact industry experts continue to acknowledge our technological innovations with awards and recognition,” said Juan. “Our new Neptune T is the industry’s first 3D optical measurement solution for transparent material inspection – definitely an award-winning technology that solves an industry challenge.”



Traditional laser-confocal or electron microscopes only measure three-dimensional shapes and cannot inspect transparent materials. The microscope penetration depth is just too shallow. Optical systems use UV light to inspect the surface for presence. Yet, the Neptune T is the industry’s first 3D measurement solution for transparent or translucent material inspection in a wet or dry state.

Koh Young LIFT technology (Laser Interferometry for Fluid Tomography) delivers non-destructive 3D inspection to precisely measure and inspect fluids – wet or dry. Based on low-coherence interferometry, LIFT employs Near Infrared Light (NIR) to capture images through multiple layers of a fluidic structure – regardless of transparency. The Neptune T allows manufacturers to explore the depths of its process and accurately identify defects.

With its AI-powered Machine Learning algorithms, the Neptune T accurately measures material coverage, thickness, and consistency with a user-defined threshold setting. It also inspects for bubbles, cracks, and other defects, including splash marks in designated “keep out” areas.

The Neptune T measures dispensed fluids, not just conformal coating, so it is also suited for underfill, epoxy, bonding, glue, and more to deliver an exact measurement of transparent, translucent, and pigmented material. The system is currently suited for acrylic, silicone, polyurethane, water-based, UV-cure, and hybrid coatings and handles many types of applications spanning research labs to electronics inspection.

If you cannot attend the tradeshow, you can learn more about Koh Young and its best-in-class inspection solution technologies, including the Neptune T by visiting our website at [www.kohyoung.com](http://www.kohyoung.com).

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### About Koh Young

Koh Young, the leading 3D measurement-based inspection solution provider, performs an essential role for quality control and process optimization across a growing set of industries including circuit board assembly, machining and assembly process manufacturing, semiconductor manufacturing, and medical. In addition to its corporate headquarters in Seoul, Koh Young has sales and support offices in Germany, Japan, Singapore, Penang, China, Brazil, Argentina, Canada, Mexico, and the United States. These local facilities ensure it keeps a close relationship with its growing customer base and provides them with access to a global network of inspection and measurement experts.

### For More Information

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