

GelSight® Launches Modulus™

Precision Inspection for Previously Inaccessible Places

GELSIGHT, a pioneer in tactile intelligence technology, has introduced the new GelSight Modulus system to further expand the boundaries of tactile sensing and usher in the next generation of mobile, micron-scale measurement. Modulus brings an entirely new concept to the mobile metrology and Non-Destructive Testing (NDT) space with its swappable lens and camera concept. Modulus brings the accuracy and power that GelSight's customers have come to expect from its technology into a compact, flexible form factor to help users access previously unreachable areas.

Modulus is pushing past the limits of what is measurable and delivering further on GelSight's promise to measure Any Material. Anywhere™. Powered by GelSight's industry-leading software platform that enables reliable, repeatable surface inspection, measurement, and analysis reporting, Modulus is unlocking new applications for customers today and in the future.

Engineers, line workers, and field teams in aerospace, automotive, and high-precision manufacturing often rely on costly and time-consuming replica workflows, subjective visual inspections, or even part disassembly or destruction just to inspect critical surfaces. Modulus replaces these costly, time-consuming, and destructive processes with quantitative data in seconds, including an industry-leading capability to perform these measurements inside bores. Features of the new Modulus device include:

Modular design – The Modulus design concept matches that of an advanced Single-Lens Reflex (SLR) camera system. Customers can hot-swap lenses and cameras in real time, ensuring they always have the right toolset for a specific measurement need, whether inspecting a bore, a tight location or an open location on their product.

Future-proof innovation – Modulus evolves with the user. Its expandable design allows the development of lenses and cameras, creating a unique ability for metrology tools to match the pace of digital and AI-enabled product design.

Unmatched portability – Modulus can reach previously inaccessible areas with ease, including inside bores and tubes, generating new possibilities for inspection and analysis and saving parts from scrap or unnecessary disassembly and rework.

Enhanced gel technology – GelSight's new gels are more durable and offer a smoother user experience for improved performance and longevity.

Return on investment – Modulus saves time and parts from scrap, allowing previously inaccessible parts to be measured with ease.

“The GelSight team is constantly revolutionizing our product platform capabilities to further enhance surface intelligence in the metrology world. Many of our customers had been pushing for a smaller form factor with even more flexibility to reach new areas and surfaces to alleviate supply chain difficulties and costs,” said Youssef Benmokhtar, CEO of GelSight. “With Modulus’ flexible and scalable design, customers can now access intricate geometries with the same precision and performance they’ve always received from our technology. This new platform will not only meet their metrology needs now but help future-proof their operations.”

Modulus launches with the new GelSight Mobile 4.2 software which enhances the analysis functions as GelSight's other trusted devices such as the GelSight Series 2 and GelSight Max. GelSight delivers fast, high-resolution surface measurements in places traditional tools can't reach, providing objective, repeatable data to detect defects such as scratches, corrosion, and edge wear with micron-level accuracy. It's a portable, easy-to-use system that transforms subjective inspection into quantifiable decision-making with one-click reporting for instant documentation and traceability.

To learn more about Modulus, visit the company's website at <https://gelsight.com>. ●



This SLR-style design with swappable optics brings unmatched measurement capability to complex geometries