

Instant, Portable 3D Surface Analysis

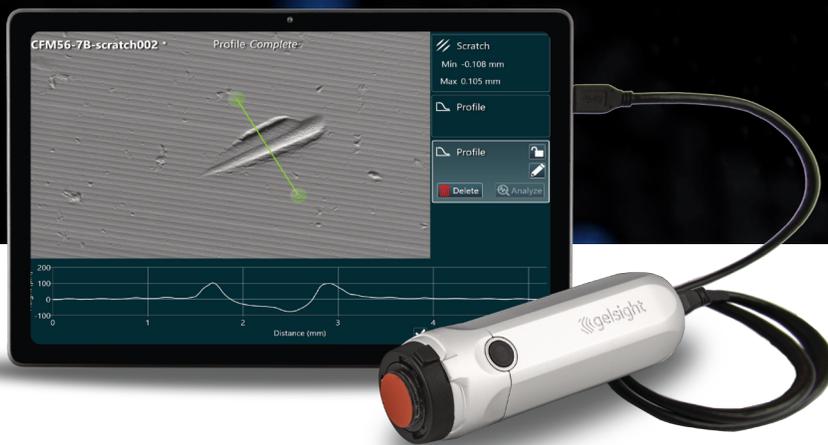


Immediate, in-situte testing saves thousands of dollars and man-hours per year. ROI within days or weeks

Precise, repeatable measurements improve yields up to 40%

Use in applications across Aerospace and Aviation workflows

Test any surface, regardless of material, reflectivity, or transparency



Improve Profitability and Productivity

Lower Direct Maintenance Costs (DMC) in Maintenance/Repair Operations (MRO) by testing in-situte eliminate replication, disassembly / reassembly, transportation, lab analysis, downtime, and inventory carrying costs.

Increase fleet availability and Turn Around Time (TAT) in Pre- and Post-Flight Inspection workflows by immediately and precisely quantifying surface defects for disposition in the deployed environment, rather than performing teardowns and waiting for lab results.

Improve yields in Production Line QA/QC operations by reducing unnecessary scrap, rework, and other non-quality costs by instantly quantifying and reporting that visually-observed defects are within spec.

Speed time-to-market in R&D and Materials Development applications by bringing lab-grade, non-destructive measurements directly to the engineering bench or field locations.

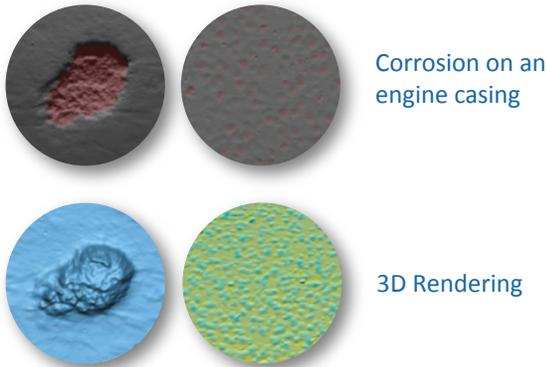
Reduce CAPEX investment and OPEX costs such as replication, calibration, training, and maintenance by deploying a single tool across multiple workflows to analyze and quantify defects on any surface, under any lighting conditions.

Application Examples

Below are examples of in-situ applications for the GelSight Mobile. In all cases, pass/fail testing and immediate report generation can be performed by the user, with a more detailed analysis achieved in seconds, including 3D rendering. All results can be archived for long-term trend analysis activities, and testing can be performed on any surface, including metallic, glass, composite, plastic, painted, and more, under any lighting conditions.

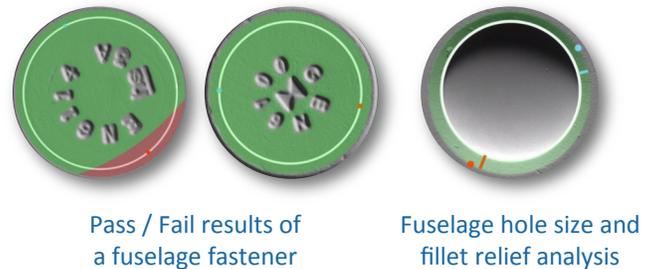
Corrosion Detection and Monitoring

Detect, measure, and report the area, height, and centroid of any pits at the place of measurement with sub-micron depth sensitivity.



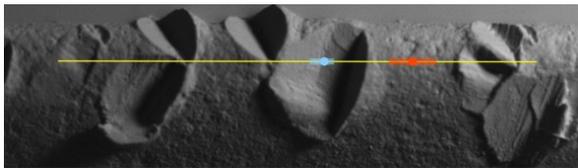
Fastener Flushness, Hole Size, and Fillet Relief

Instantly quantify min/max, head dishing, perpendicularity, hole size and fillet relief dimensions with x-y resolution down to 4 um and a field of view of up to 17mm x 14mm.

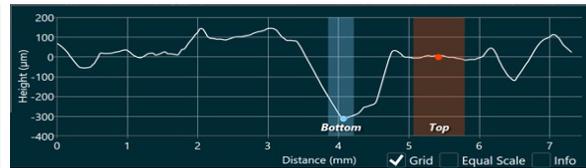


Scratches and Dents

Directly perform detailed analysis, including depth profiles and 3D rendering, in seconds and without replication.



Scratches and dents on a rotor blade



Condensed Specifications

	Series 1		Series 2
	Model 0.5x	Model 1.0x	Model 0.5x
Dimensions	6cm x 6cm x 22cm	6cm x 6cm x 22cm	5cm x 5cm x 15.5cm
Weight	600g	600g	400g
Field of View	17.0mm x 14.2mm	8.5mm x 7.1mm	17.0mm x 14.2mm
x-y Resolution	6.9um	3.5um	6.9um
z Sensitivity	<1 um	<1 um	<1 um
Capture Speed	100mS	100mS	100mS
Optional Computer	Microsoft Surface Pro, 12.3"	Microsoft Surface Pro, 12.3"	Microsoft Surface Pro, 12.3"
Operating System	Windows 10	Windows 10	Windows 10
Interface / Power Source	USB 3.0	USB 3.0	USB-C
Data Export Format	tmd, csv, stl, pdf	tmd, csv, stl, pdf	tmd, csv, stl, pdf

Specifications are subject to change without notice