

Instant, Portable 3D Surface Analysis

Body/Paint

Interior Trim

Glass/Plastics

EV Batteries/Motors

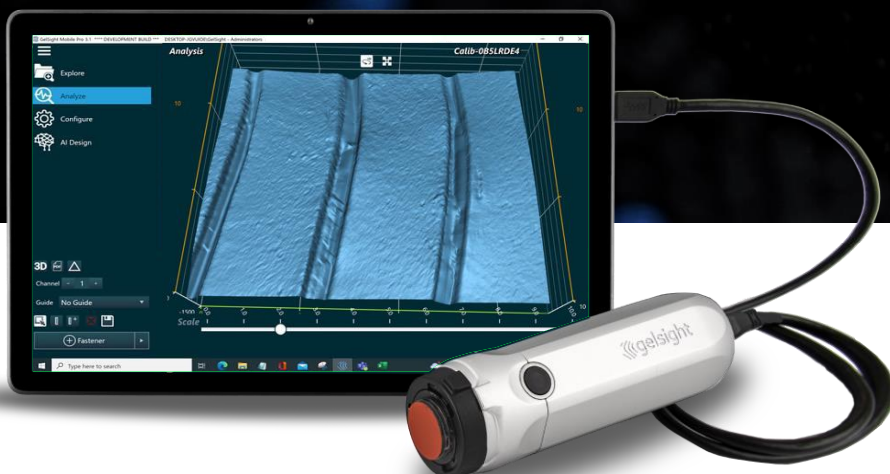
Tires/Tread

Precise, objective, repeatable measurements improve yields up to 40%

Immediate, in-situ testing reduces downtime. ROI within weeks

Test any surface, regardless of material, reflectivity, porosity, transparency, or ambient lighting conditions

Use in applications across OEM and supply chain workflows



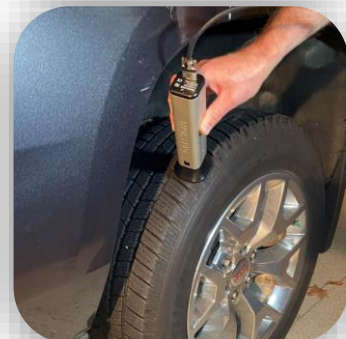
Improve Profitability and Productivity

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

Lower Production Line maintenance costs by quickly identifying early wear-and-tear of molds, fixturing, and other tooling at the point of use, rather than incurring disassembly and downtime while waiting for lab results.

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

Reduce CAPEX investment and OPEX costs such as operator training, recalibration, and maintenance by deploying a single tool across multiple workflows to analyze and quantify defects on any material, under any lighting conditions, at any time.

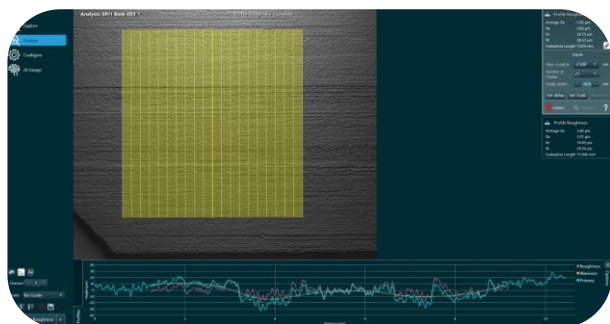


Application Examples

Below are examples of in-situ, non-destructive test applications for the GelSight Mobile 3D Surface Analysis Tool. In all cases, pass/fail testing and immediate pdf report generation can be performed by the user, in seconds, including 3D rendering. All results can be archived or exported for long-term trend analysis. Testing can be performed on any surface including metal, composite, glass, plastic, fiberglass, polymer, rubber, fabric, leather, wood, painted, coated, frozen, and more, under any lighting conditions.

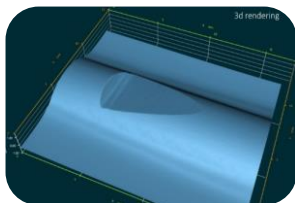
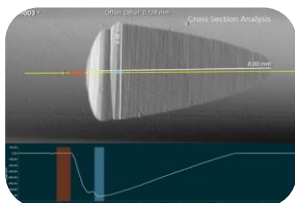
Roughness and Texture Profiling

Instantly sample 10,000 points across multiple measurement lines for a more complete analysis using the simple GUI. GelSight's patented elastomeric sensor conforms to the topology of any surface without the risk of scratching.



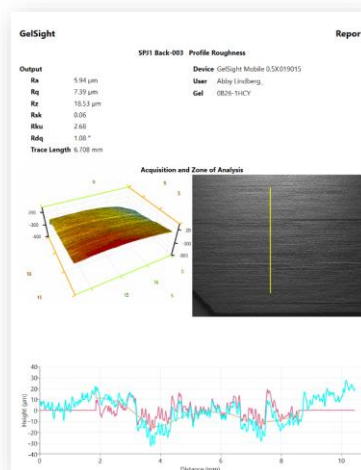
Dents, Chips, Burrs, and Scratches

Directly perform detailed analysis, including depth profiles and 3D rendering, in seconds



Additional Applications Include

- Cracks
- Corrosion / Pitting
- Porosity
- Hole Diameter
- Paint / Coating Profile
- Radius of Curvature
- Panel Flushness
- Shot Peen Finish
- 3D Geometry/Topology (X-Y-Z)
- Weld Bead



Instantly document results in pdf format or export to .csv, .nm, .tmd, or .stl for further analysis

Condensed Specifications

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

Specifications are subject to change without notice