

Palm-sized 3D Scanner
with High Accuracy

Gen2

SIMSCAN-E/S

Confidence in Every Critical Surface



The SIMSCAN-S Gen2 is a palm-sized 3D scanner with high accuracy. It offers wireless freedom, ultra-fast scanning, and flexible operating modes.

It enhances accuracy by robust algorithm and advanced craftsmanship, while incorporating sphericity and flatness into its accuracy control—keeping precision as the foundation and further ensuring geometric fidelity and detailed measurements.

Ideal for high-precision machined and complex parts, the SIMSCAN-S Gen2 is designed to make precision scanning faster, more detailed, and more reliable than ever.

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From Accurate Measurement to Assured Geometry

With enhanced optics and advanced algorithms, SIMSCAN-S Gen2 delivers accuracy of 0.015 mm. Thanks to its sophisticated sphericity and flatness control, it captures both precise dimensions and surface deviations. The system ensures highly detailed measurements and strengthens verification at the feature level. It enables more dependable control of GD&T-critical characteristics, including functional surfaces, precision-machined features, and assembly-defining geometries. Compliant with ISO 10360, the SIMSCAN-S Gen2 ensures results you can trust worldwide.



Type		SIMSCAN-S Gen2	SIMSCAN-E Gen2
Scan mode	Ultra-fast scanning	108 blue laser lines (Quad Cross Technology)	
	Hyperfine scanning	17 blue parallel laser lines	
	Deep hole scanning	1 extra blue laser line	
Accuracy ⁽¹⁾		0.015 mm	Up to 0.020 mm
Scanning rate up to		8,100,000 measurements/s	
Scanning area up to		700 mm × 600 mm	
Laser class		ClassII (eye-safe)	
Resolution up to		0.020 mm	
Volume accuracy ⁽¹⁾	Standard	0.015 mm + 0.03 mm/m	0.015 mm + 0.035 mm/m
	Adaptive photogrammetry ⁽²⁾	0.015 mm + 0.012 mm/m	0.015 mm + 0.015 mm/m
Sphericity		0.025 mm	-
Flatness		0.035 mm	-
Stand-off distance		300 mm	
Depth of field		550 mm	
Output formats		.stl, .obj, .ply, .asc, .igs, .txt, .mk2, .umk and etc.	
Interface mode		USB 3.0	
Dimensions		203 mm × 80 mm × 44 mm	
Weight		560 g	
Operating temperature range		-10–40°C	
Operating humidity (non-condensing)		10 ~ 90% RH	
Wireless standard		Wi-Fi 6, 802.11a/b/g/n/ac	
Patent		US10309770B2, US11060853B2,KR102096806B1, EP3392831B1,EP3907702B1, CN204329903U,CN104501740B, CN204854633U, CN204944431U, CN204902788U, CN105068384B, CN105049664B, CN204902784U, CN204902785U, CN106403845B, CN110030946B, CN212300269U, CN211904059U, CN211696268U, CN306053019S, CN212606697U, CN306321502S, CN214149177U, CN214747767U, CN216115893U, CN114001671B, CN113470180B, CN113218417B, CN111833392B, CN115682981B, CN113593015B, CN119919604B, CN223472293U, CN119359964B, CN223527609U, CN116045843B, CN223596816U, CN223829356U, CN309777650S, CN309793071S	

(1) ISO 17025 accredited: Performance is evaluated based on ISO 10360-13 standard, VDI/VDE 2634 Part 3 and JJF1951 specification.
 (2) Paired with high-precision scale bar.

