





Sleek and Compact

SIMSCAN Gen2 features a sleek, ergonomic design with a full-metal, aerospace-grade housing for durability and comfort. Compact and lightweight, it fits easily in one hand for effortless scanning, even in tight spaces. It combines style, strength, and usability in one compact device.

Dimension

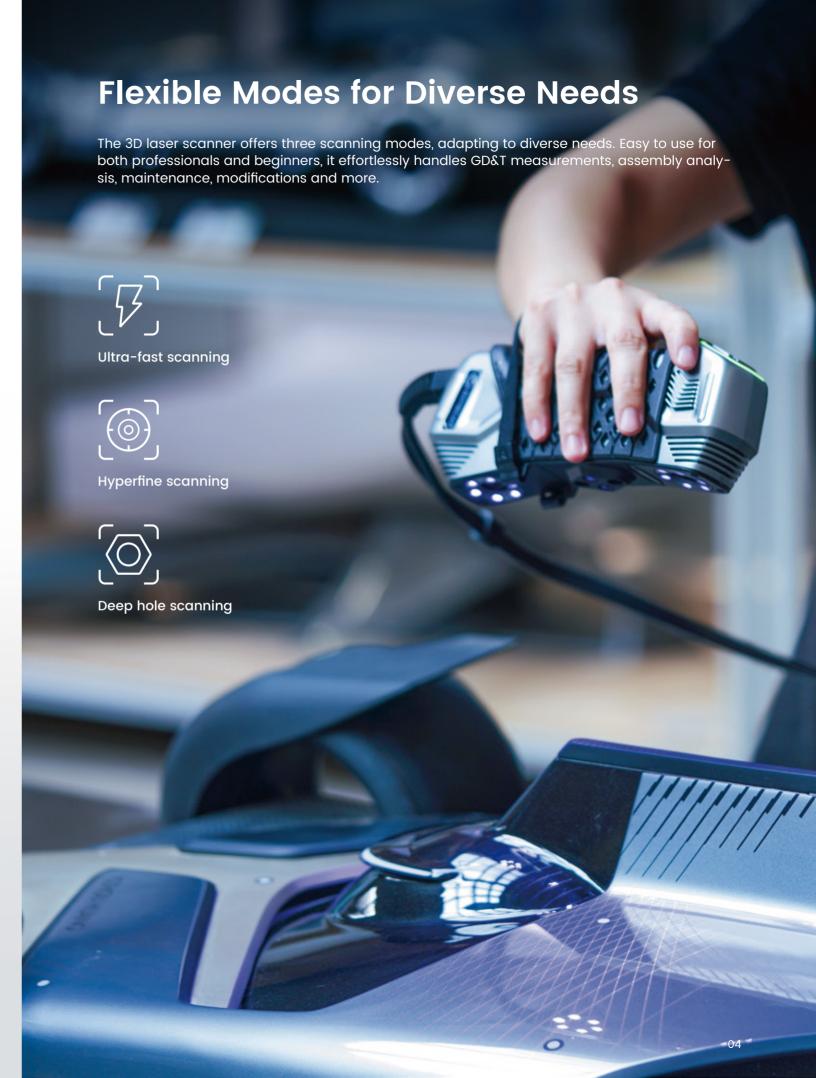
203 _{mm} × 80 _{mm} × 44 _{mm}

Weight



reddot

Reddot winner 2021





Cater to Needs of Various Sectors

Aerospace

Metrology-grade 3D scanning for product development and MRO workflow.



Automotive

Enhance work efficiency with precise 3D measurement instruments from concept design to manufacturing.



Mold

Portable 3D scanner to optimize mold design, mode corrosion detection and archiving.



Energy & Heavy Industry

Empower the development of the energy industry and promote the upgrading of the heavy machine industry.



Rail Transport and Shipbuilding

Provide accurate measurement results for product development, virtual assembly, and repeatable analysis.



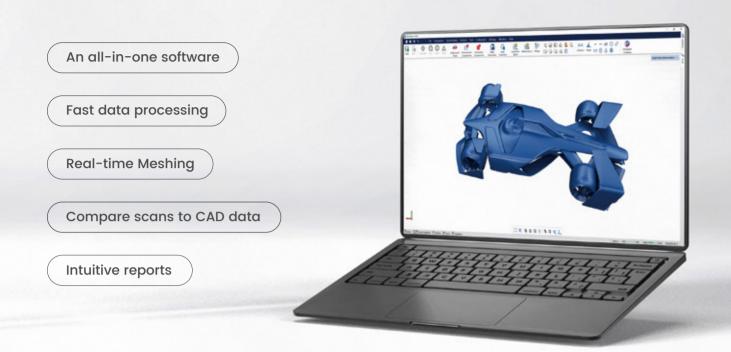
Non-industry

To meet the needs for 3D digitization for industries, including medical field, architecture, science, education and entertainment.



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DefinSight to Power 3D Scanning





Туре		SIMSCAN 30 Gen2	SIMSCAN 42 Gen2
Scan mode	Ultra-fast scanning	17 blue laser crosses	27 blue laser crosses
	Hyperfine scanning	17 blue parallel laser lines	
	Deep hole scanning	1 extra blue laser line	
Accuracy (1)		Up to 0.020 mm	
Scanning rate up to		4,580,000 measurements/s	5,800,000 measurements/s
Scanning area up to		700 mm × 600 mm	
Laser class		Class II (eye-safe)	
Resolution up to		0.020 mm	
Volume accuracy (2)	Standard	0.015 mm + 0.035 mm/m	
	Paired with MSCAN-L15	0.015 mm + 0.012 mm/m	
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		570 g	
Operating temperature range		-10°C - 40°C	
Operating humidity (non-condensing)		10 - 90% RH	
Patents		CN204329903U, CN104501740B, CN204854633U, CN2049444431U, CN204902788U, CN105068384B, CN105049664B, CN204902784U, CN204902785U, CN106403845B, CN110030946B, CN212300269U, CN211904059U, CN211696268U, CN306053019S, CN212606697U, CN306321502S, CN214149177U, CN214747767U, CN216115893U, CN114001671B, CN113470180B, CN113218417B, CN111833392B, CN115682981B	

(1) ISO 17025 accredited: Based on VDI/VDE 2634 Part 3 standard and JJF 1951 specification, probing error (size) (PS) performance is evaluated.
(2) ISO 17025 accredited: Based on VDI/VDE 2634 Part3 standard and JJF 1951 specification, sphere spacing error (SD) performance is evaluated.

