

SCANTECH™

SIMSCAN

3D Scanner

Small Is the Brand-New Big



SCANTECH(HANGZHOU) CO., LTD

SIMSCAN



Reddot award 2021 winner

SIMSCAN, the only hand-sized 3D scanner in the market so far, is a disruptive innovation of the traditional 3D scanners' structure and a revolutionary product in 3D optical metrology industry.

No matter in narrow spaces, or under huge objects, SIMSCAN performs high-quality 3D scanning without any restriction of working environment. Metrology-grade measurement system helps capture every detail and construct 3D model in a very short time. Designed under minimalism, the metal shell enables SIMSCAN to achieve a balance between weight and performance.



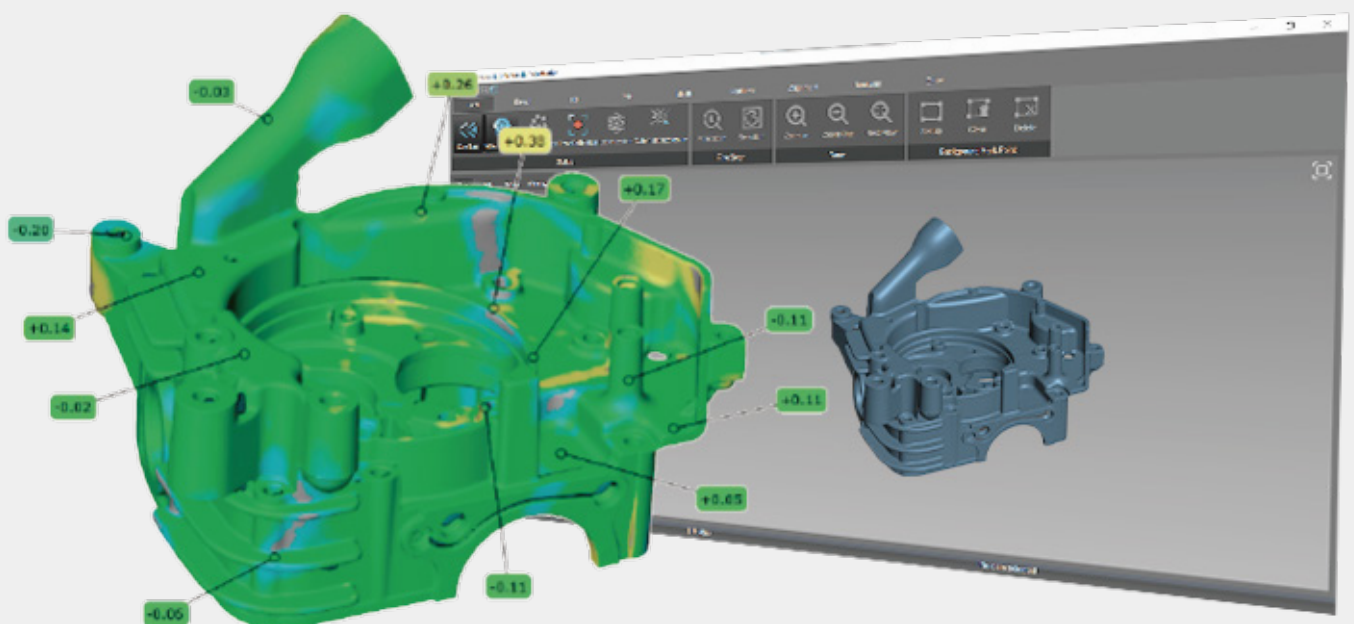


Single-handed Control

Weighted only 570 g and sized by 203×80×44 mm, SIMSCAN brings unparalleled simplicity for scanning anything with one hand.

Ultra-portable

No matter in narrow spaces, or under huge objects, the remarkable portability of SIMSCAN enables it to proceed 3D measurement anywhere and anytime.





Detail, Everywhere

Under parallel blue laser mode or single line deep hole mode, 0.020 mm of accuracy, every detail is nowhere to hide, even for scanning complex surface.



Smooth 3D Experience

11 crossed blue lasers, 2,020,000 measurements and 410*400 mm scanning area bring smooth and efficient 3D digitizing experience.





Toughest Ever

Revolutionary full metal shell provides solid protection, aerospace-grade materials ensure extraordinary durability.

Aesthetic Design

With ergonomic design, SIMSCAN fits perfectly in your palm, truly realizing a perfect fusion of aesthetics and practicality.



Technical Parameter

Type		SIMSCAN
Scan mode	Ultra-fast scanning	11 blue laser crosses
	Hyperfine scanning	7 blue parallel laser lines
	Deep hole scanning	1 extra blue laser line
Laser lines in total		30
Accuracy		Up to 0.020 mm
Scanning rate		Up to 2,020,000 measurements/s
Scanning area		Up to 410 mm × 400 mm
Laser class		Class II (eye-safe)
Resolution		Up to 0.025 mm
Volume accuracy	Work alone	0.020 mm + 0.040 mm/m
	Work with MSCAN-L15	0.020 mm + 0.015 mm/m
Stand-off distance		300 mm
Depth of field		250 mm
Output formats		pj3,asc,igs,txt,mk2,umk,sti,ply,obj
Open formats		pj3,pjs,asc,igs,txt,mk2,umk,refxml,sti,ply,step
Operating temperature range		-10°C - 40°C
Interface mode		USB 3.0
Dimensions		203mm × 80 mm × 44 mm
Weight		570 g
Patents		CN204329903U,CN104501740B,CN204854633U,CN204944431U,CN204902788U,CN105068384B,CN105049664B,CN204902784U,CN204902785U,CN106403845B,CN110030946B,CN111833392A,CN212300269U,CN211904059U,CN211696268U,CN306053019S,CN212606697U,CN111932465A,CN111694665A,CN306321502S