Туре		NimbleTrack-C Gen2	NimbleTrack-E Gen2
	Ultra-fast scanning	27 blue laser crosses	
Scan mode	Hyperfine scanning	17 blue parallel laser lines	
	Deep hole scanning	1 blue laser line	
	Large area scanning	27 blue laser crosses	
	Photogrammetry	Adaptive photogrammetry	
Accuracy for scanner-only mode (1)		Up to 0.020 mm	
Accuracy for system (1)		Up to 0.025 mm	
Tracking distance per i-Tracker		3500 mm	4200 mm
Volumetric accuracy (1)	Tracking distance 3.5 m	0.060 mm	0.059 mm
	Tracking distance 4.2 m	1	0.072 mm
	Adaptive photogrammetry (2)	0.072 mm + 0.012 mm/m	
	With MSCAN photogrammetry system (2)	0.044 mm + 0.012 mm/m	
Hole position accuracy		0.050 mm	
Laser class		ClassII (eye-safe)	
Resolution up to		0.020 mm	
Stand-off distance		300 mm	
Depth of field		400 mm	
Scanning area up to		500 mm × 600 mm	
Scanning frame rate		120 fps	
Measurement rate up to		6,630,000 measurements/s	
Dimension of i-Scanner		252 mm × 195 mm × 260 mm	
Weight of i-Scanner		1.3kg (Net weight)	
		1.4 kg (Battery and wireless module included)	
Dimension of i-Tracker		570 mm × 87 mm × 94 mm	
Weight of i-Tracker		2.2 kg (Net weight)	
		2.6 kg (Battery and wireless module included)	
Size of protection case		1000 mm × 425 mm × 280 mm	
Output format		.stl, .obj, .ply, .asc, .igs, .txt, .mk2, .umk and etc.	
Operating temperature range		-10°C-40°C	
Operating humidity (Non-condensation)		10-90% RH	
Wireless operating mode		i-Scanner, i-Tracker, i-Scanner + i-Tracker, i-Tracker + i-Probe, Wireless multi-tracker tacking, Edge Inspection	
Wireless standard		Wi-Fi 6, 802.11a/b/g/n/ac	
Interface mode		USB3-B, Gigabit Ethernet port	
Patents		CN109000582B, CN211121096U, CN210567185U, CN111678459B, CN114001696B, CN114554025B, CN114205483B, CN113514008B, CN114627249B, CN112867136B, CN218103220U, CN218103238U, CN307756797S, CN113340234B, CN112964196B, CN115289974B, CN113188476B, CN218411072U, CN115325959B, CN218584004U, CN115661369B, CN218734448U, CN115493512B, CN110992393B, CN116136396B, CN113432561B, CN219834226U, CN219829788U, CN116244730B, CN116206069B, CN113766083B, CN222015590U, CN22207649U, CN308982243S, CN308982242S, CN222104664L CN222279677U, CN222279678U, CN22231625U, CN222317979U, CN222317980U, CN222353116U, CN222560923U, CN222865846U, US10309770B2, US10309770B2, US11060853B2, KR102096806B1, EP3392851B1, US11493326B2	

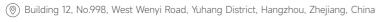
⁽¹⁾ ISO 17025 accredited: Performance is evaluated based on JJF1951 specification and VDI/VDE 2634 Part 3.

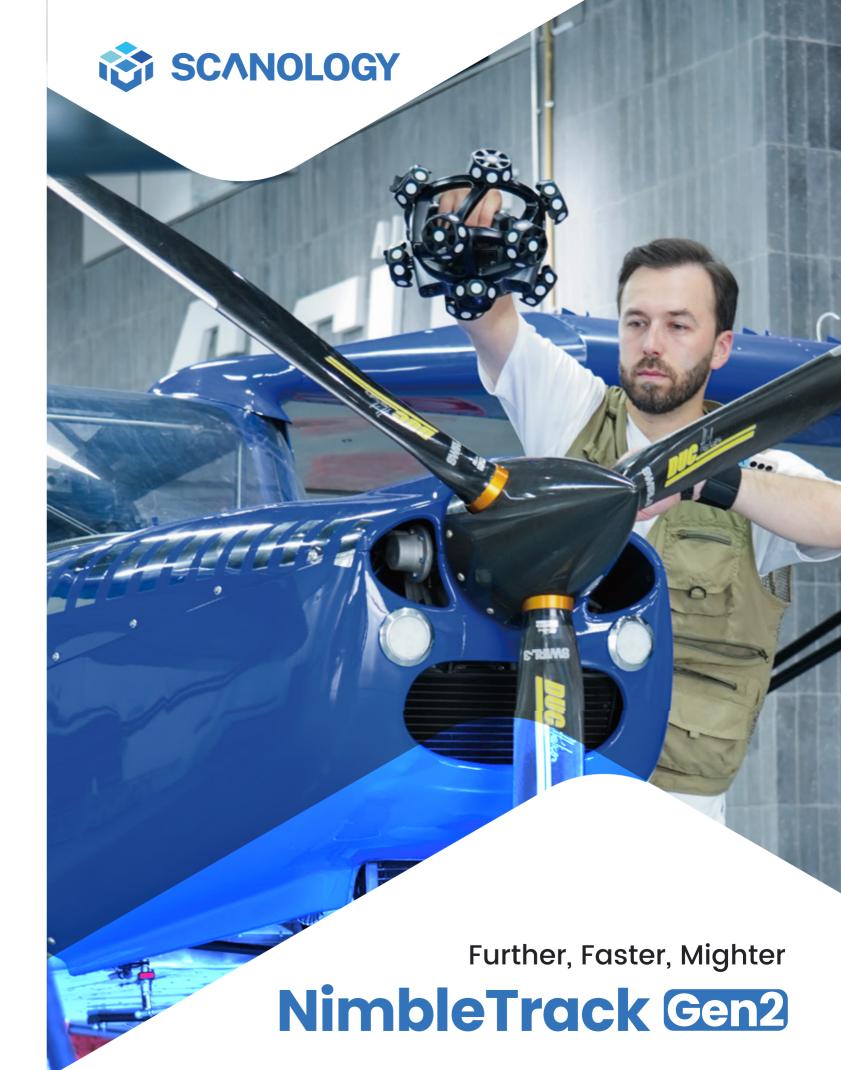
SCANTECH (HANGZHOU) CO., LTD. (HQ)

NimbleTrack GEN2 09042025-V2.0

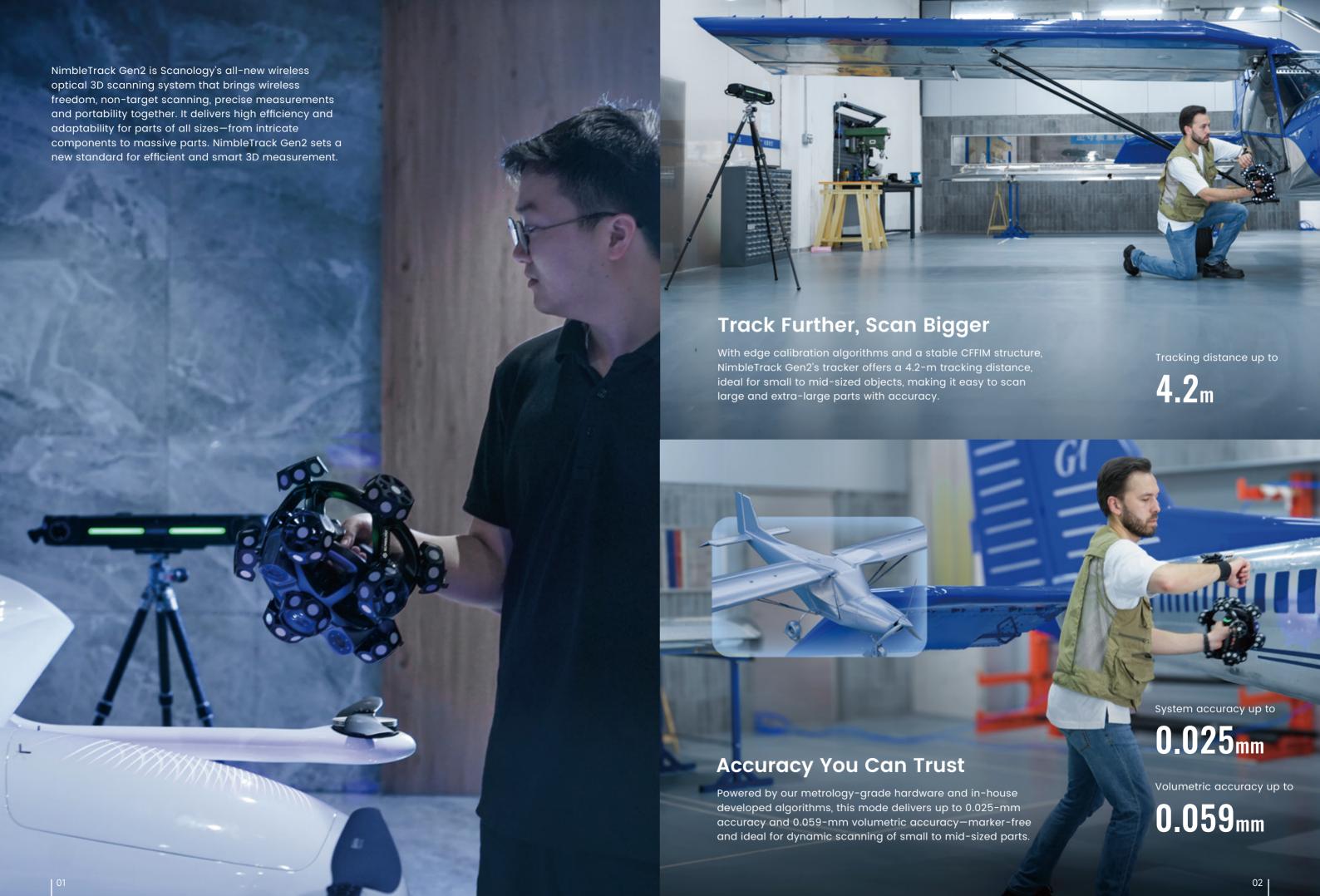
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⁽²⁾ Paired with high-precision scale bar.



Lightning-fast Scanning Both the 3D scanner and tracker feature next-gen edge computing, which enables it to deliver fast and smooth scanning experiences at a high frame rate of 120 FPS. In high-speed scanning mode, it achieves a scan rate of up to 6.63 million measurements/s with 27 blue laser crosses. Even complex surfaces and fine details are scanned rapidly and accurately, making NimbleTrack Gen2 a true productivity booster in industrial inspection. Scanning rate up to 6,630,000 measurements/s Blue laser crosses Frame up to **120**FPS



Fully Wireless and Mobile With no cables, the NimbleTrack Gen2 delivers true wireless freedom. Equipped with high-performance batteries and advanced edge computing, both the 3D scanner and tracker support wireless measurements and stable high-speed data transmission anytime, anywhere. Whether scanning outdoors, in power-restricted areas, on oversized parts, or in confined spaces, it ensures seamless, precise and efficient 3D measurements. 05

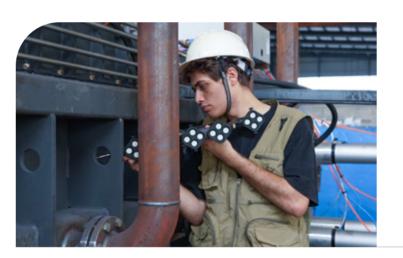
Versatile Applications

Custom Adapter

It can be paired with custom adapters to capture 6D pose of target objects in real time. The system accurately tracks pose deviations even in vibrating or complex environments, which is ideal for crash testing, aerospace equipment assembly, robot calibration, and absolute-accuracy correction



*01



Optical Probe

It can be paired with a tracking i-Probe to probe inaccessible areas such as reference holes and hidden points. This contact measurement probe can ensure precise results with both wired and wireless options.

*00

Intelligent Edge Detection

NimbleTrack boasts an optional module of precise edge detection, which is enabled by gray-value measurement. Users can inspect closed features such as holes, slots, edges precisely and obtain information such as positions and diameters.



*03