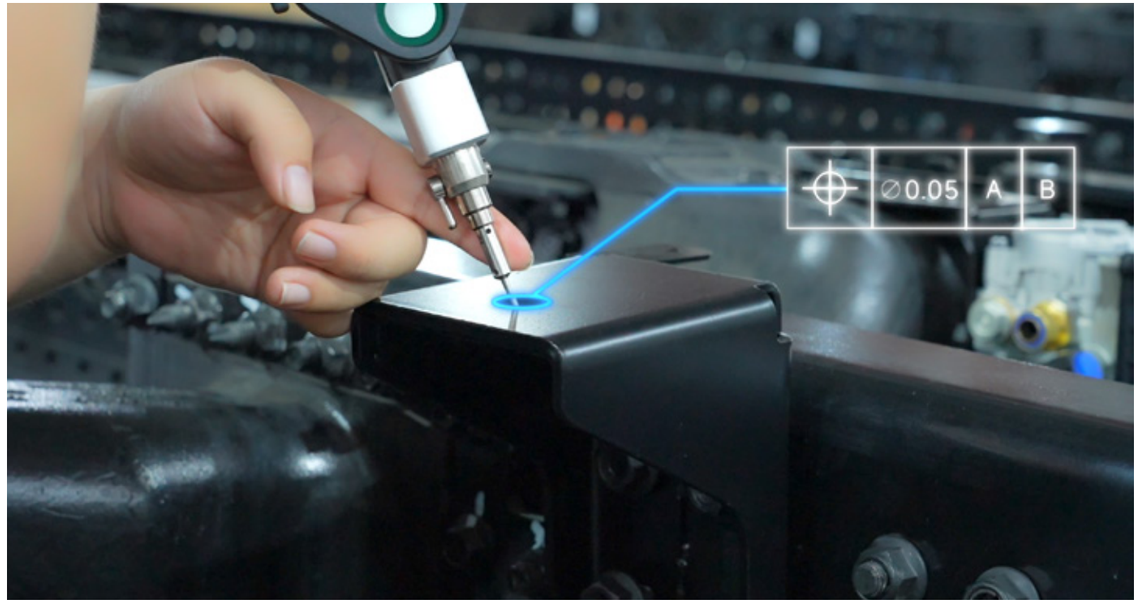
Versatile & Reliable

NimProbe comes with stylus and corner extension rods of of different types to meet the needs of various applications. From intricate curved surfaces to precision large parts, NimProbe delivers reliable measurements—every time.

It is built for stability and reliability, unaffected by vibration, temperature, humidity, or lighting conditions. With dynamic measurement and real-time position compensation, it maintains high accuracy even in complex workshop environments or outdoor settings.



Type		NimProbe
Volumetric accuracy	(3.5m)	0.059 mm
	(4.2m)	0.072 mm
Measurement distance (per tracker)		4.2 m
Part size range (recommended)		0.1 m ~ 6 m
Dimensions of i-Probe		510*145*89 mm
Weight of i-Probe		700 g
Operating temperature range		0 ~ 45°C
Operating humidity range (non-condensing)		10 ~ 90% RH
Connection		Wired and wireless
Number of targets		16
Patents		ZL201520680513.1, ZL202210065778.5, ZL202221475584.4, ZL202221766958.8, ZL202320545878.8

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

SCANOLOGY

Compact Optical 3D Probing System

NimProbe

FLEXIBLE AND ACCURATE MEASURE WITH FREEDOM

The NimProbe system combines the handheld i-Probe with the next-generation i-Tracker in a fully wireless, lightweight design. Built for high-precision measurement of small-to-medium parts, it brings together the best of both probing and scanning modes in one innovative solution.

From fixture verification, benchmark marking, to dimensional inspection of high-precision parts, NimProbe delivers an efficient, flexible, and highly accurate 3D measurement solution for industrial inspection and smart manufacturing.

Wireless and Compact

One-Case Storage

Quick Setup

Scanning and Probing

0.059mm

Accuracy of 0.059 mm (3.5 m)

Dynamic Measurement

All in One & Easy to Use

NimProbe is lightweight and portable, with the entire system packed into a single case for easy transport and setup. Ready in just one minute, it instantly becomes a mobile measurement station—delivering fast, efficient inspection in workshops, outdoor sites, and other challenging environments.

Seamless Probing to Scanning

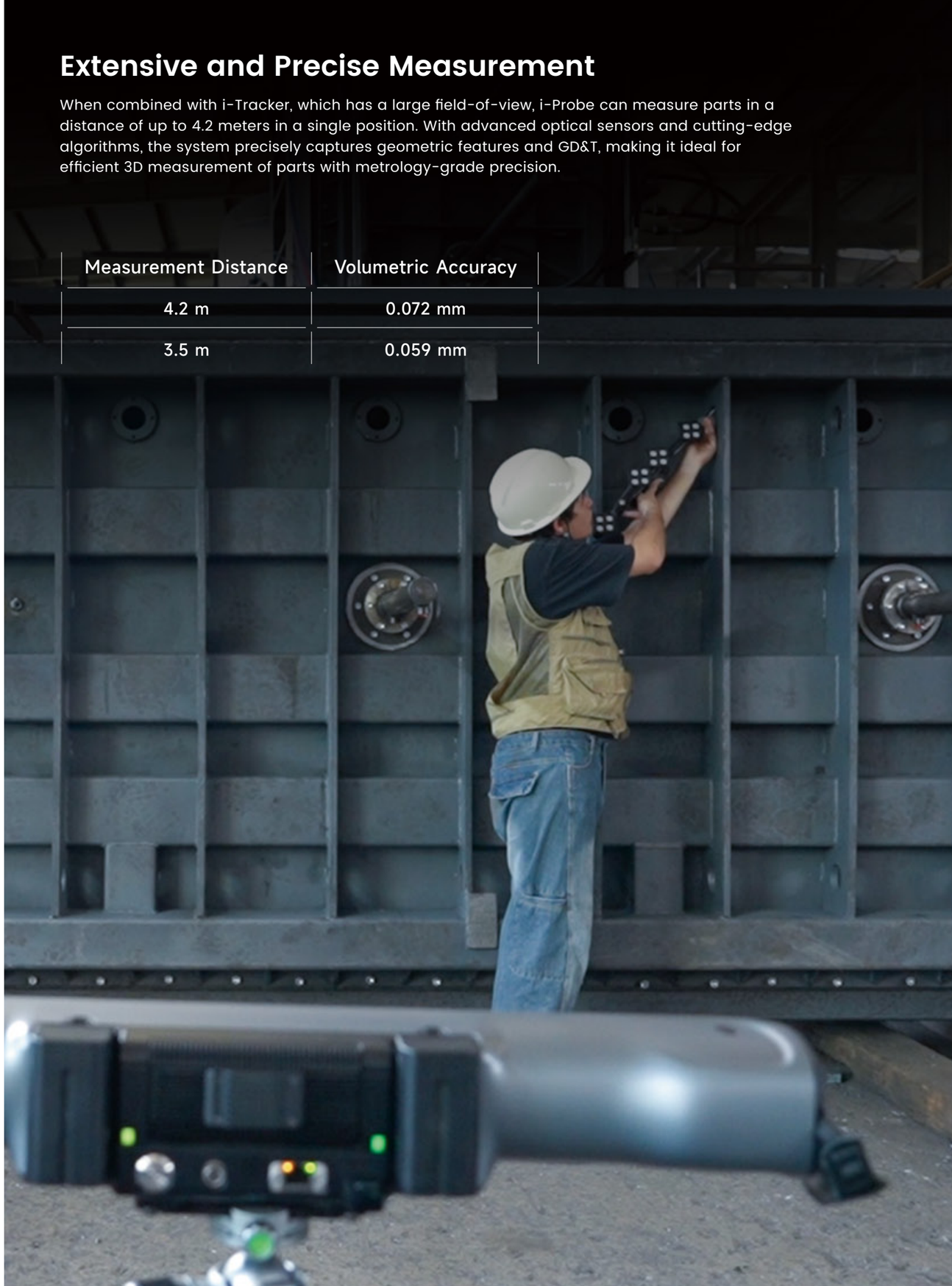
NimProbe redefines measurement efficiency with the power of two-in-one. By merging high-precision probing with handheld laser scanning, it breaks free from the limits of traditional probe systems. Its tracker doubles as a handheld 3D scanner, capturing point clouds with speed and precision, while DefinSight software unifies scan and probe data in real time.

Switch effortlessly between scanning and probing to handle any measurement task with ease. Smarter, faster, and more versatile, NimProbe streamlines inspection workflows and adapts seamlessly to third-party platforms—driving the future of modern, intelligent manufacturing.

Extensive and Precise Measurement

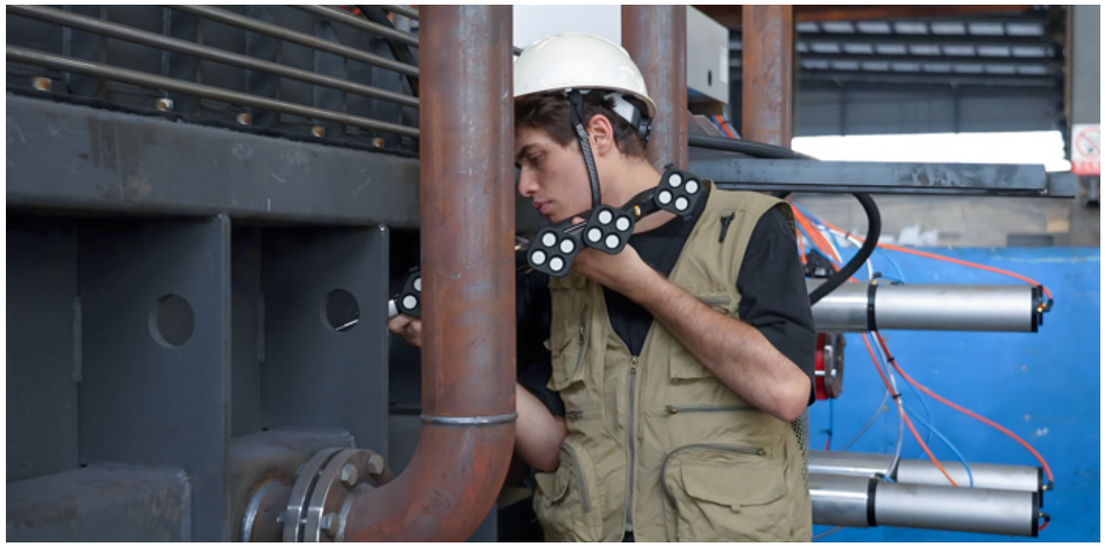
When combined with i-Tracker, which has a large field-of-view, i-Probe can measure parts in a distance of up to 4.2 meters in a single position. With advanced optical sensors and cutting-edge algorithms, the system precisely captures geometric features and GD&T, making it ideal for efficient 3D measurement of parts with metrology-grade precision.

Measurement Distance	Volumetric Accuracy
4.2 m	0.072 mm
3.5 m	0.059 mm



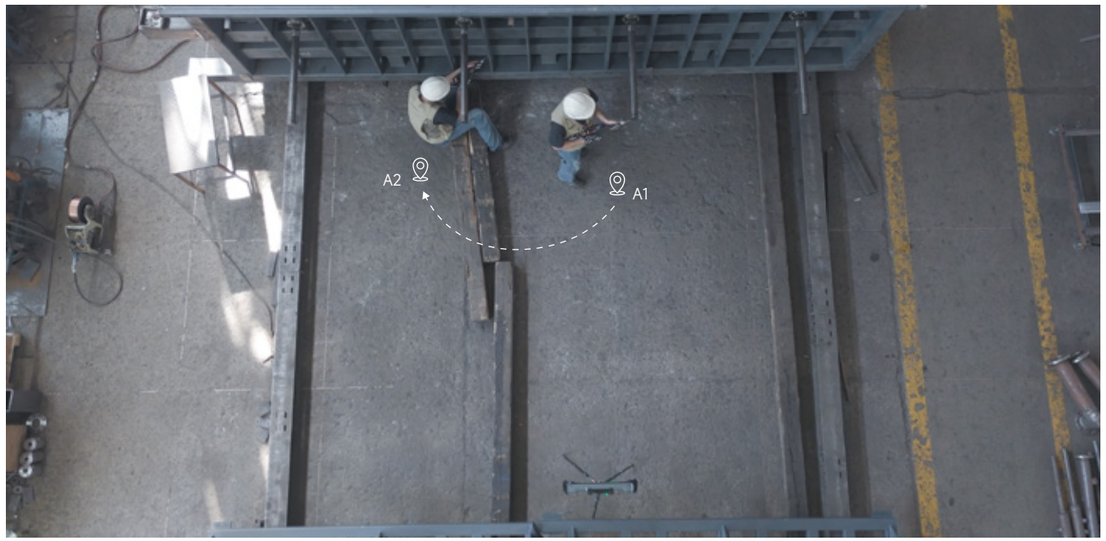
Probing Without Limits

With a 500-mm probe length, the i-Probe easily accesses reference holes, hidden points, and other hard-to-reach areas. Intelligent occlusion compensation algorithm ensures accurate results even when some of its markers are blocked. This makes it the perfect choice for measuring automotive parts, aerospace components, pipelines, holes, and irregular parts.



Stay Mobile, Stay Precise

Within the tracker's view, the probe moves freely while its position and orientation are tracked in real time, making it easy to capture hole locations, flatness, parallelism, and more. With only a few markers, you can switch positions effortlessly. Whether it's cross-station measurement, multi-angle probing, or inspection along dynamic production lines, NimProbe adapts instantly and keeps inspection cycles moving fast.



Flexible Connectivity

Wireless mode

eliminates mechanical or cable restrictions for maximum flexibility on the shop floor.

Wired mode

ensures stable performance and meets strict requirements for data security.