





# Wide-Area Scanning Exceptional Precision

### Ultra-large Scanning Area

KSCAN-X, powered by our in-house developed and sophisticated algorithms, offers extensive scanning area of up to 2.6m\*1.8m, which is ideal for scanning ultra-large parts.

### Ultra-large Depth of field

With a large depth of field ranging from 0.3-2.5m, KSCAN-X ensures precise measurements for everything from medium to ultra-large parts with exceptional quality. Its flexible working distance makes scanning various-sized parts easier and more efficient.



m 2.5m

1.8m

# **Truly Wireless Scanning**

It operates completely wire-free, enabling seamless scanning even in power-limited environments, at heights, or in remote locations. Experience true wireless freedom in 3D measurement.

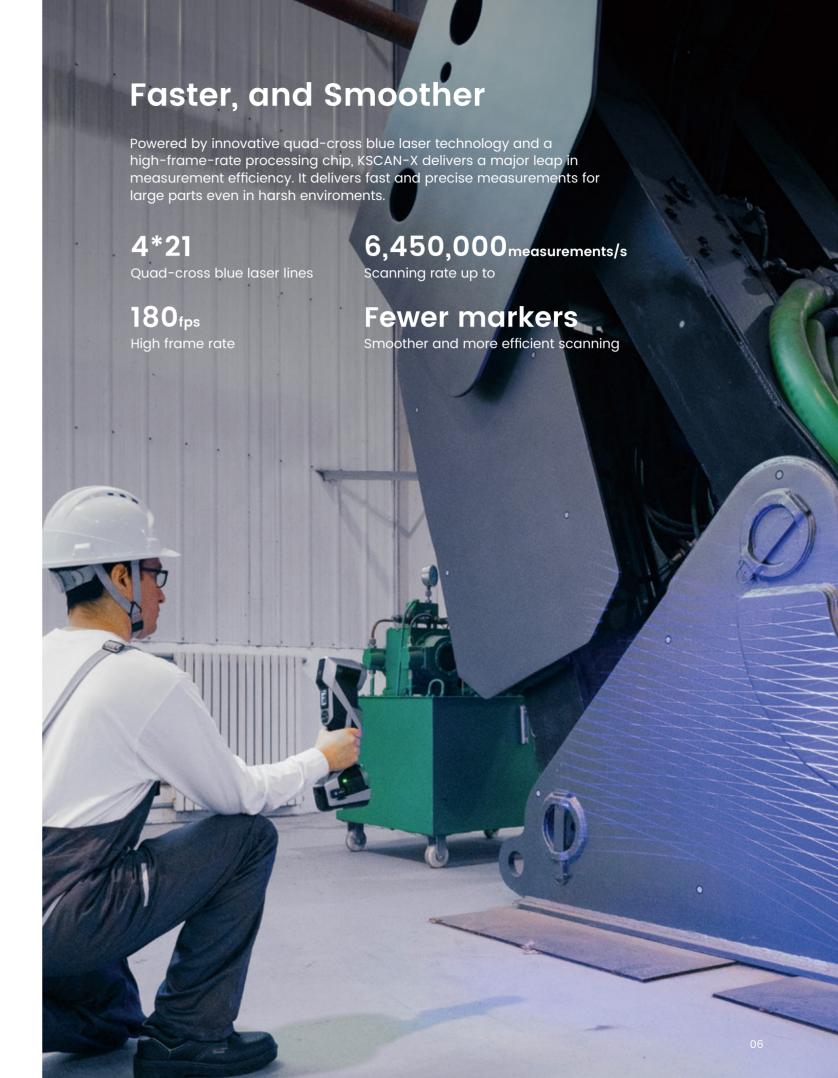


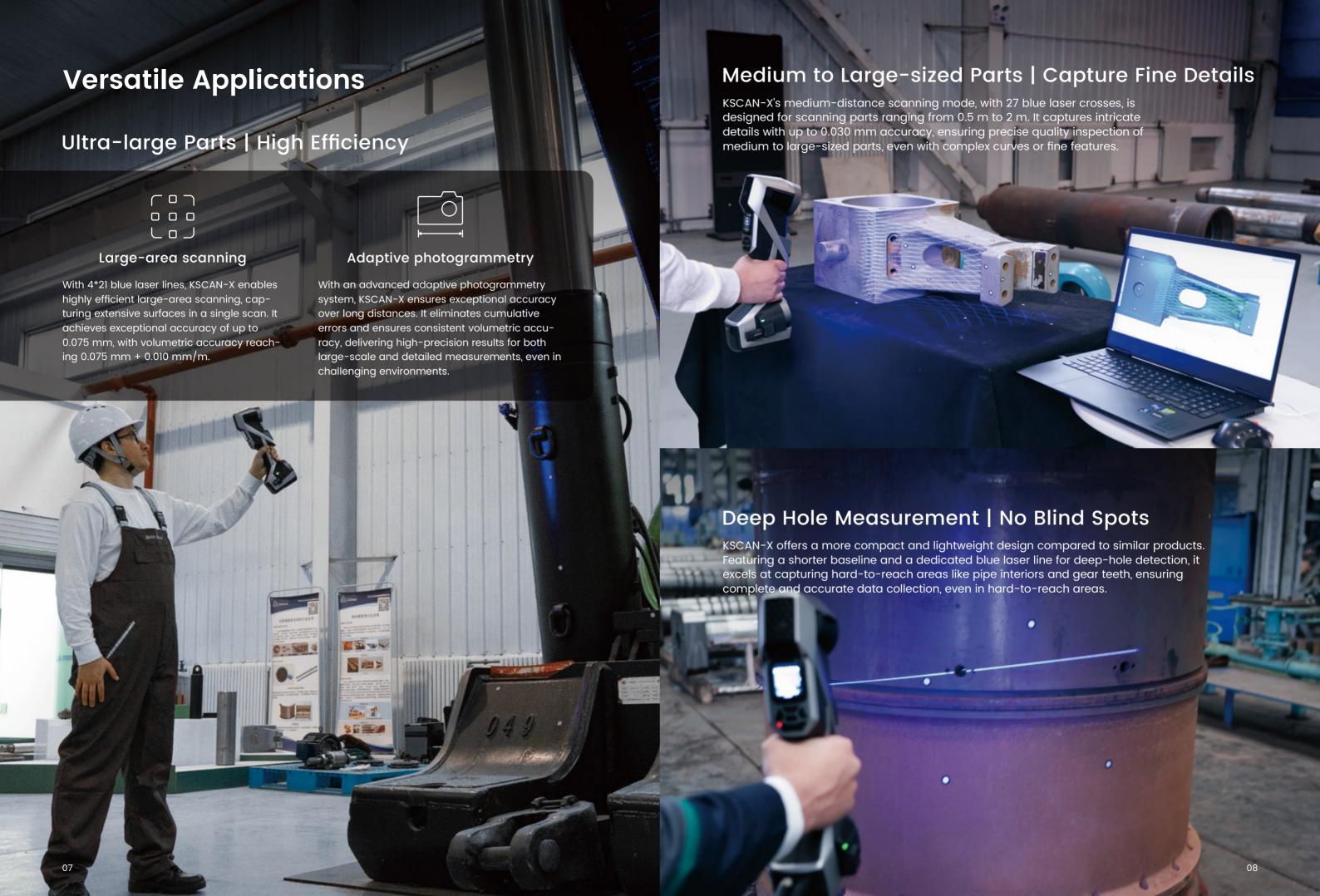
Dual-battery system

Ensures no-cable and continuous operations

Robust on-board processing module
Handle large amounts of data efficiently







# Power and Comfort in One Design



Well-structured visual framework highlights key components like the camera lens and laser system, making operation seamless.



Engineered for comfort and efficiency, it ensures a secure grip and fatigue-free use, even during long scanning sessions.



Designed with both ergonomics and aesthetics in mind, KSCAN-X combines sharp, dynamic lines with a balanced, intuitive layout.

# Portable & Easy to Use

## Step 1

### Compact & Ready to Go

Lightweight design with a portable protective case—easy to carry and set up. An optional multifunctional case keeps all accessories organized.

# Step 2

#### **Wireless Connection**

No cables, no hassle—just power on and start scanning anywhere.

# Step 3

**Fast Calibration** 

Quick 20-s calibration saves time and streamlines on-site work.

### Step 4

### Smart Controls Effortless Operation

One-touch smart buttons handle complex functions without a computer.









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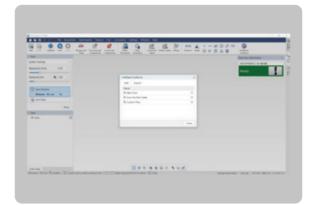
#### Touchscreen Interface

Built-in full-color touchscreen for real-time hardware and software status updates.



#### **Smart Guidance**

User-friendly software with customizable prompts for quick on-board and lower training costs.





### Supports real-time monitoring

Comes with a standard mobile phone holder for on-the-go and real-time scanning data viewing.



Customizable buttons





# All-in-One Metrology Software

Powered by the next-gen DefinSight platform, KSCAN-X is built for industrial-grade 3D scanning and inspection, offering an intuitive interface, broad compatibility, and high-speed data processing for an enhanced metrology experience.

### 01

#### Easy to Use

Smart, streamlined workflows for effortless operation.

#### 00

### For Everyone

Designed for both beginners and experts.

### 03

### **Seamless Scanning**

Instant startup with real-time data capture and packaging.

### 04

### **High-Resolution Detail**

Supports real-time mesh visualization for faster data capture and finer data quality.



	KSCAN-X Techn	ical specifications
Scan mode	Large area scanning	84 blue laser lines
	Medium-distance scanning	54 blue laser lines
	Deep hole scanning	1 extra blue laser line
	Photogrammetry	Adaptive photogrammetry
Accuracy (1)	Medium-distance scanning	0.030 mm
	Large area scanning	0.075 mm
Volumetric accuracy (1)(2)		0.075 mm + 0.010 mm/m
Scanning rate up to		6,450,000 measurements/s
Scanning area up to		2600 mm × 1800 mm
Working distance		0.30 m ~ 2.50 m
Object size		0.5 m ~ 15 m
Laser class		ClassII (eye-safe)
Resolution up to		0.1 mm
Dimension		344 mm × 124 mm × 99 mm
Stand-off distance		235 mm
Connection	Interface mode	USB3.0 Type-B
	Wireless standard	Wi-Fi 6, 802.11a/b/g/n/ac
	Wireless connection	Support Dual WNIC
	Intelligent and wireless mode	Support
	Uninterrupted power supply	Support
Environment Adaptability	Operating environment	Fanless, suitable for workshop environments
	Operating temperature range	-10°C ~ 40°C
	Operating humidity	10% ~ 90% RH
	Protection rating	IP50
Patent		CN204329903U, CN104501740B, CN104165600B, CN204988183U, CN204854633U, CN204944431U, CN204902788U, CN105068384B, CN105049664B, CN204902784U, CN204963812U, CN204902785U, CN204902790U, CN106403845B, CN209197685U, CN209263911U, CN106500627B, CN106500628B, CN206132003U, CN206905709U, CN107202554B, CN209310754U, CN209485295U, CN209485271U, CN305446920S, CN209991946U, US10309770B2, KR102096806B1, KR102209255B1, US10914576B2, CN113470180B, CN113218417B, CN113063370B, CN218411073U, CN113310427B, CN113074659B,

CN218772495U, CN113473034B, CN115830249B, CN219829786U, CN116206069B



<sup>(1)</sup> ISO 17025 accredited: Performance is evaluated based on JJF1951 specification, VDI/VDE 2634 Part 3 standard.
(2) Paired with 800-mm high-precision scale bar.
\*Our company reserves the right to interpret and modify the parameters and images in this manual within the scope of law.