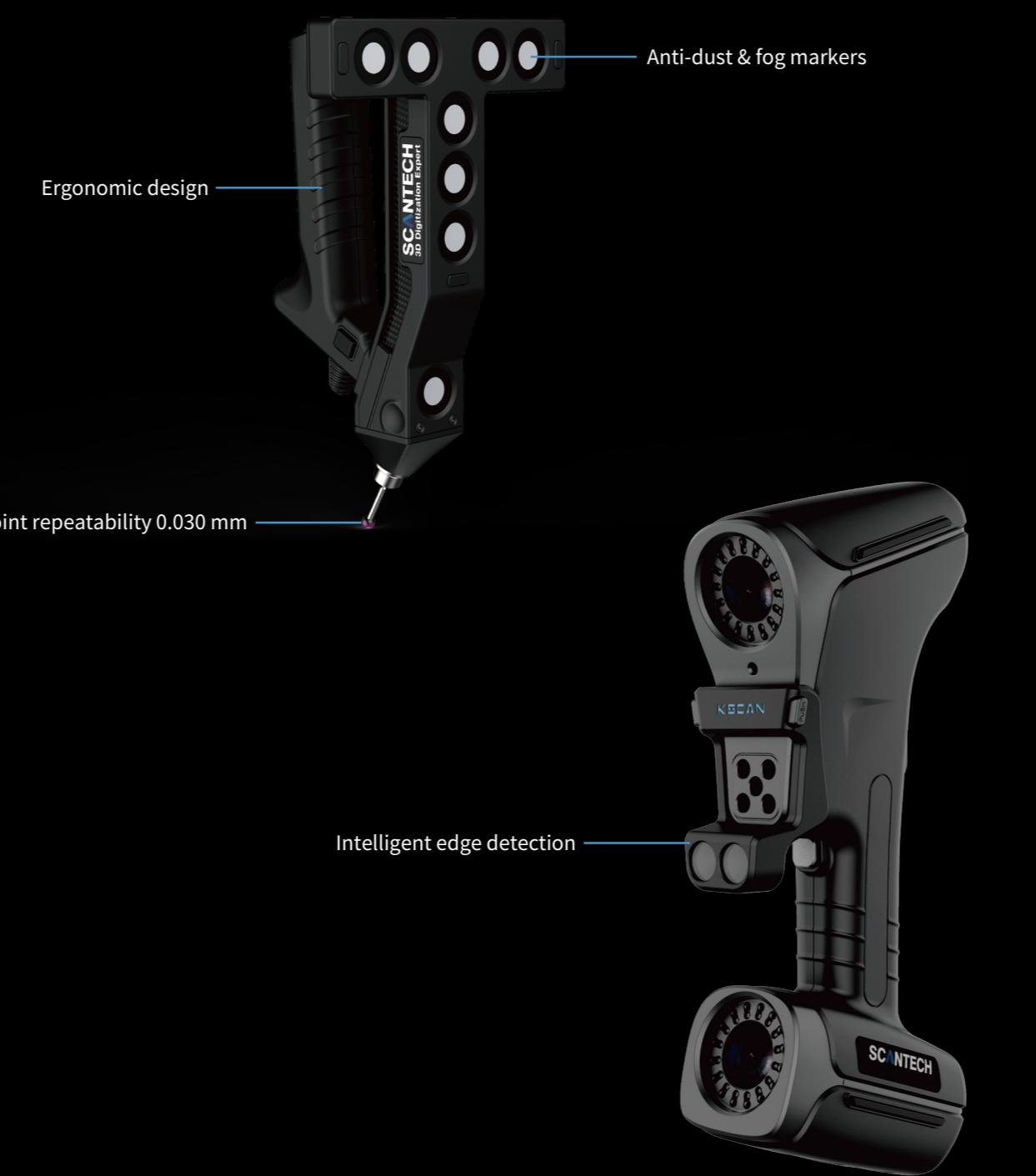


## Technical Parameter

Type	KSCAN-Magic	KSCAN-Magic II
Scan mode	Ultra-fast scanning	11 blue laser crosses
	Hyperfine scanning	7 blue parallel laser lines
	Large area scanning	11 parallel infrared laser lines
	Deep hole scanning	1 extra blue laser line
Laser lines in total	41	45
Accuracy	0.020 mm	
Scanning rate	Up to 1,350,000 measurements/s	Up to 1,650,000 measurements/s
Scanning area	Up to 1440 mm × 860 mm	
Photogrammetry system	Standard configuration	Built-in
	Scanning area	3760 mm × 3150mm
	Depth of field	2500 mm
Laser class	CLASS II (eye-safe)	
Resolution	0.010 mm	
Volume accuracy	Work alone	Up to 0.010 mm + 0.030 mm/m
	Work with 1m reference bar	Up to 0.010 mm + 0.020 mm/m
	Work with MSCAN-L15	Up to 0.010 mm + 0.015 mm/m
Stand-off distance	300 mm	
Depth of field	925 mm	
Portable CMM K-Probe	Optional	Support
	Single point repeatability	0.030 mm
	Tracking frequency	60 hz
Intelligent edge inspection module	Optional	Support
	Edge accuracy	0.030 mm
Pipe inspection module	Optional	Support
	Output formats	YBC / LRA / compensation value
Output formats	.stl, .ply, .obj, .igs, .stp, .wrl, .xyz, .dae, .fbx, .ma, .asc or customized	
Operating temperature range	-10~40°C	
Interface mode	USB 3.0	
Patents	CN204902790U, CN206905709U, CN107202554, CN204902785U, CN106403845, WO2018049843, CN106500627, WO2018072434, CN106500628, WO2018072433, CN206132003U, CN104501740, US10309770B2	

## Massive Functions

Built-in photogrammetry system, intelligent edge detection, contact probing and pipe measurement fulfill diverse application needs.



**SCANTECH™**



# KSCAN - MAGIC Composite 3D Scanner

Experience Diverse Ultimate  
From Metrology Measurement

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# KSCAN - MAGIC

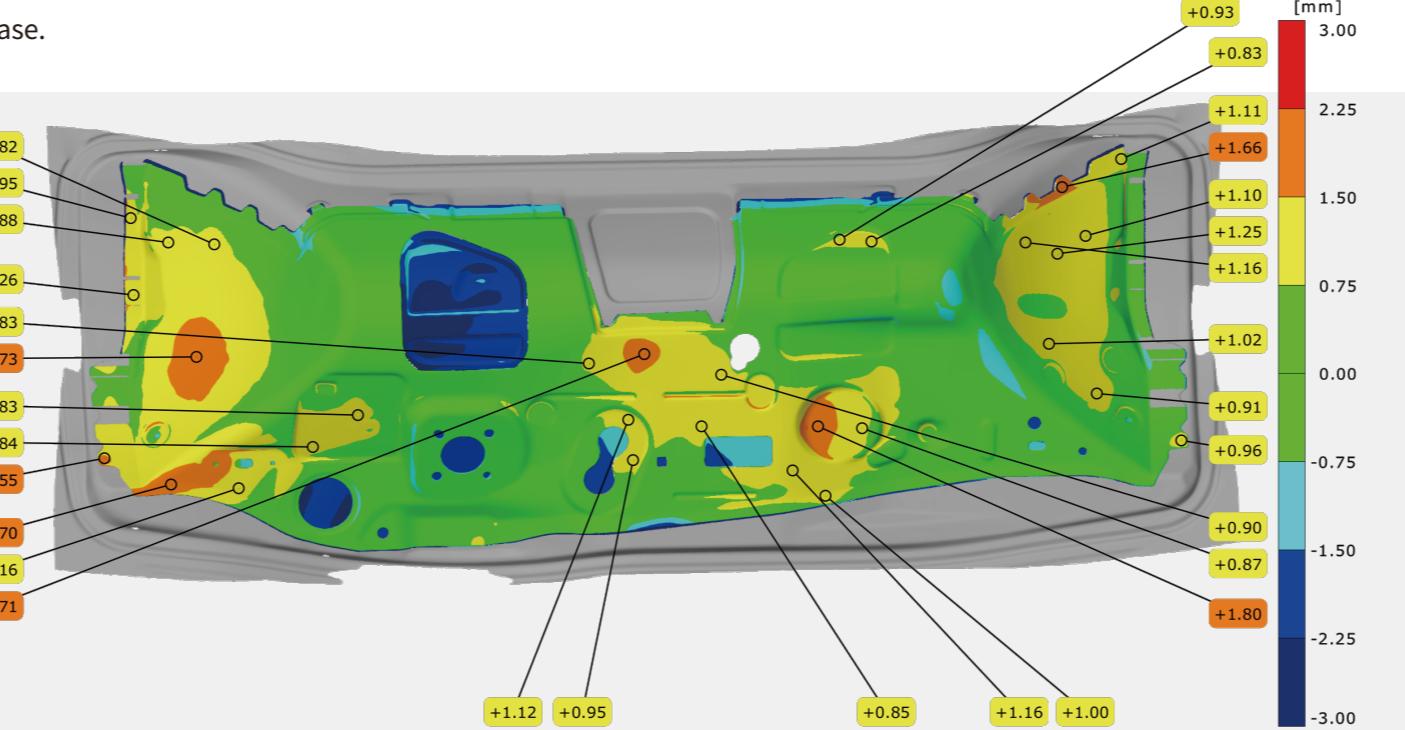
KSCAN-Magic composite 3D scanner opens up the first introduction of infrared laser + blue laser technology with five standard working modes: global initiative parallel infrared laser large area scanning, blue laser crosses fast scanning, blue parallel laser fine scanning, single blue laser deep hole scanning, built-in photogrammetry system.

KSCAN-Magic series have a revolutionary breakthrough in performance. Its unparalleled scanning speed, accuracy, detail, scanning area, and depth of field greatly optimize the 3D measurement workflows and accelerate the product time-to-market. To obtain data on hard-to-reach or complex surfaces, KSCAN-Magic series can be equipped with portable CMM K-Probe, providing a comprehensive 3D digital solution for precision measurement.



## Innovative Infrared Laser

KSCAN-Magic innovatively adopts infrared laser scanning technology in worldwide. Its ultimate scanning area reaches 1440 mm × 860 mm, achieving precise wide range measurement with ease.



## Metrology-grade NDT Measuring

0.020 mm of scanning accuracy and 0.03 mm/m of volume accuracy; deliver ultra-high precision NDT for the aerospace industry.



## Extreme-clear Details

Under hyperfine scanning mode, KSCAN-Magic 3D scanner can accurately obtain complete data on the surface of complex objects, easily capturing every detail with resolution of 0.010 mm.

## Single Laser Line Scanning

Single laser line scanning mode accurately and quickly captures 3D data of deep holes and dead angle positions.

## Effortless Efficiency

With 41 laser lines, KSCAN-Magic 3D scanner delivers ultra-fast scanning rate of 1,350,000 measurements/s. By flexibly switching the scanning modes, it satisfies different application needs, dramatically improving working efficiency.

## No Fear of Harshness

KSCAN-Magic supports super-high work adaptability in harsh environment; realistically restores the precise 3D data of reflective and black surface.