

Company Introduction

SCANTECH is one of the earliest high-tech companies starting to research and develop handheld 3D visual measurement devices across the world. Leveraging its profound technological prowess, SCANTECH has established strategic partnerships with a number of world-class companies and reached cooperation for joint R&D centers and co-development plans with multiple optical metrology companies in Europe. SCANTECH products are sold to more than 50 countries and regions, serving over 5000 enterprises. The presence of our distributors and international sales and technical support teams has been expanded all across the globe, providing industrial frontier 3D measurement solutions for prominent enterprises and research institutions like Boeing, NASA, COMAC, BMW, Volkswagen, GM, Apple, Huawei, Siemens, JCB and Sany.

SCANTECH has been gaining rapid growth ever since the establishment due to our continuous input in R&D and management, as well as the attraction of top-notch talents. R&D personnel account for 50% of the company staff, among them, the proportion of masters and doctors is as high as 80%. The talent pool enables us to develop a series of proprietary 3D digital measurement systems. Our product line stretches from metrology-grade online and offline equipment and consumer-grade color 3D scanners, which are widely applied in areas of aerospace, automotive/rail transport, mechanical manufacturing, medical care and rehabilitation, digital arts for TV and film, education and research, cultural heritage protection, 3D printing and VR/AR. SCANTECH helps companies fulfill optimized solutions to quality and efficiency and open up a vast territory for 3D digitalization.

All-Round 3D Digital Solution

Scantech 3D measurement system offers professional measurement technology for variety industries.

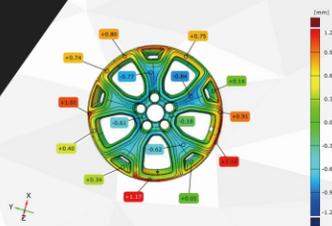
Rapid Prototyping



Reverse Engineering



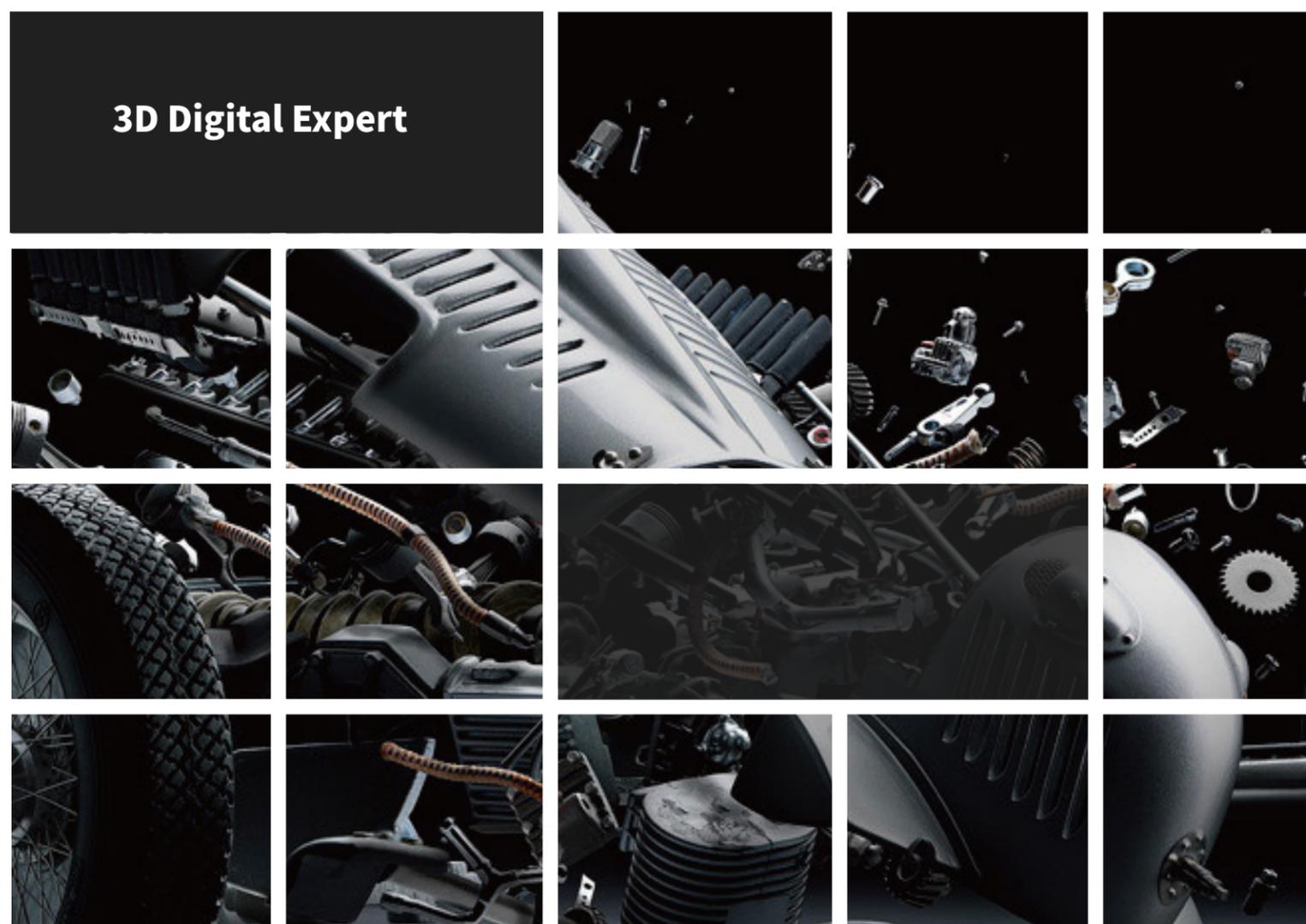
3D Inspection



3D Visualization



3D Digital Expert



HSCAN 3D Scanner

Metrology Grade 3D Measurement



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SCANTECH

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HSCAN Technical Parameter		
Type	HSCAN331	HSCAN771
Laser source	3 red laser crosses (+1 extra red laser)	7 red laser crosses (+1 extra red laser)
Deep hole scanning	Support	
Accuracy	0.030 mm	
Measurement rate	265,000 measurements/s	480,000 measurements/s
Scanning area	225 mm × 250 mm	275 mm × 250 mm
Laser class	CLASS II (eye-safe)	
Resolution	0.050 mm	
Volumetric accuracy (without extra device)	0.020 mm + 0.080 mm/m	0.020 mm + 0.060 mm/m
Volumetric accuracy (with MSCAN)	0.020 mm + 0.025 mm/m	
Stand-off distance	300 mm	
Depth of field	250 mm	
Output formats	.stl, .ply, .obj, .igs, wrl, .xyz, .dae, .fbx, .ma, .asc or customized	
Weight	0.95 kg	
Dimensions	315 × 165 × 105 mm	
Operating temperature range	-10 ~ 40°C	
Interface mode	Gigabit Lan	
Patents	CN204329903U, CN104501740B, CN104165600B, CN204988183U, CN204854633U, CN204944431U, CN204902788U, CN105068384B, CN105049664B, CN204902784U, CN204963812U, CN204902785U, CN204902790U, CN106403845B, CN209197685U, CN209263911U, CN303453606S, US10309770B2, KR102096806B1	

HSCAN

HSCAN 3D scanner adopts multiple beam laser to obtain 3D point cloud from object surface, confirm the spatial position through reflective marker, then complete 3D point cloud reconstruction.

High Efficiency

- 7 red laser crosses
- Deep hole scanning by single red laser line
- 480,000 measurements/s

Self-position

- No additional positioning device required
- Move object freely
- Won't affect data quality and accuracy by changing environment

Real-time Visualization

- Real-time display and match
- Rapidly get 3D data of deep hole, dead angles, etc.
- Obvious advantages for scanning complex objects

High Precision

- Metrology-grade accuracy up to 0.030 mm
- Accuracy is insensitive to instable environment

Portable & Flexible

- Less than 1kg weight
- Easy to operate with one laptop
- Work in narrow space such as car interior dashboard

