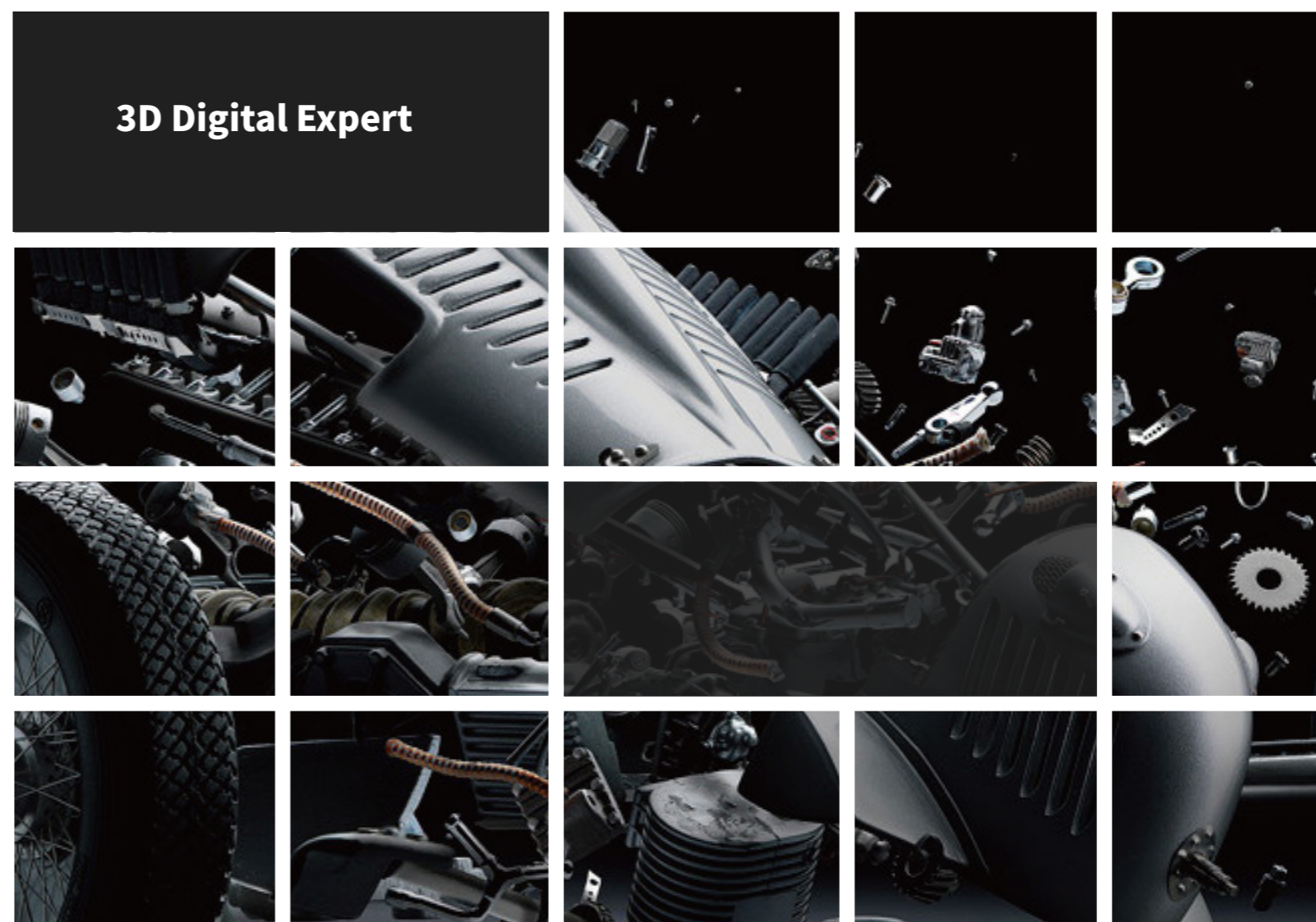# Company Introduction

Hangzhou Scantech Co., Ltd. is a high-tech enterprise specialized in developing, manufacturing and selling of intelligent visual inspection equipment. As one of the most professional 3D digital equipment suppliers, ScanTech has been granted and assigned numbers of technological patents.

R&D team developed a series of 3D digital equipment with self-owned intellectual property rights, such as composite 3D scanner, handheld 3D laser scanner, global 3D scanner, color 3D scanner, tracking 3D scanner and global photogrammetry system.

Furthermore, our R&D team has established a joint development center with Norway Metronor which is a well-known optical metrology enterprise in Europe.

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

SCANTECH™

Authorized Distributor

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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

High Precision

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

Self-position

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

Portable& Flexible

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

Real-time Visualization

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

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℃	
Interface mode	Gigabit Lan	
Patents	CN204902790U，CN206905709U, CN107202554，CN204902785U, CN106403845，WO2018049843, CN106500627，WO2018072434, CN106500628, WO2018072433, CN206132003U，CN104501740, US10309770B2	