



SHINING 3D®



FreeScan X5/X7

Handheld 3D Laser Scanner



SHINING3D's new FreeScan series is the ultra-portable handheld 3D laser scanner. It features flexible and convenient scanning mode, and the 3D industry scanner's high accuracy and stability. The FreeScan series is applicable for a wide range of operating environments and a variety of measured objects. It can maximize the scanning efficiency to achieve excellent results.

Features

- Ultra-portable laser handheld 3D measurement system with only 0.95 kg
- Accuracy up to 0.03mm, and following the German VDI/VDE 2634 standard
- Almost unlimited 3D scanning, adaptable to measurement tasks in indoor, outdoor and other complex environments
- High speed scanning, good stability and easy operation
- High compatibility with DigiMetric SHINING3D photogrammetric systems



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FreeScan X5:

- **Light Body, Easy Operation**

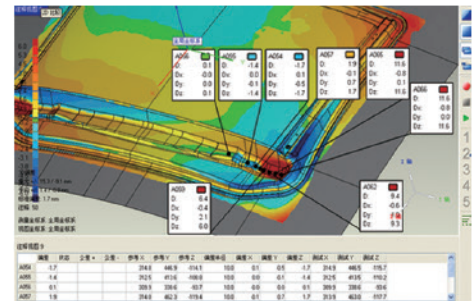
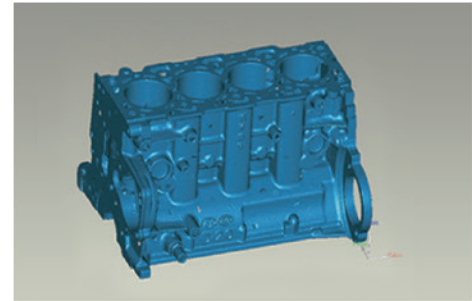
Portable, narrow space operation accessible, external clamping positioning not needed.

- **High Accuracy, High Speed**

Accuracy up to 0.035mm, under German VDI/VDE 2634 standard. High scanning speed up to 350000 dots/s.

- **High Compatibility**

Compatible with DigiMetric SHINING3D photogrammetric systems to measure large workpieces.



FreeScan X7:

- **Original HOI Scanning Technology Enables Higher Speed and Higher Accuracy**

- **Easy Operation and Good Stability**

- **Almost Unlimited 3D Scanning, Adaptable to Complex Environments**

- **High Compatibility with DigiMetric SHINING3D Photogrammetric Systems**

Specification

Model	FreeScan X5	FreeScan X7
Single Shot Accuracy	0.035 mm	0.03 mm
Volume Precision	0.02 mm+0.08 mm/m	0.02 mm+0.06 mm/m
Volume Precision (Combined with DigiMetric)	0.020 mm+0.025 mm/m	0.020 mm+0.025 mm/m
Resolution	0.1 mm	0.05 mm
Scan Speed	350, 000 points/s	480, 000 points/s
Single Scan Range	300×250 mm	300×275 mm
Scan Range	100 - 8000 mm	100 - 8000 mm
Working Distance	300 mm	300 mm
Scan Depth	250 mm	250 mm
Supporting Program for Extended Measurement	DigiMetric	DigiMetric
Light Source	10 line laser ray	14 line laser ray
Laser Category	Class II (eye safe)	Class II (eye safe)
Software	3DScan	3DScan
Output Data Format	Stl, obj, fbx, ma, asc, ply, dae, etc., and compatible with the mainstream 3D software	
OS System Support	win10 64bit	
Operation Temperature	-10 - 40 °C	
Transmission Mode	USB3.0	USB3.0
Weight	0.95 kg	0.95 kg
Dimension	130×90×310 mm	130×90×310 mm

* Notice: SHINING 3D reserves the right to explain any alteration of the specification and pictures.