

TECHNICAL SPECIFICATIONS

FREESCAN X3/X5/X7

Model	FreeScan X3	FreeScan X5	FreeScan X7
Measuring Accuracy	Maximum 0.03 mm	Maximum 0.03 mm	Maximum 0.03 mm
Volume Precision	0.02 mm+0.1 mm/m	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	0.020 mm+0.025 mm/m
Resolution	0.1 mm	0.1 mm	0.05 mm
Scan Speed	240, 000 scans/s	350, 000 scans/s	480, 000 scans/s
Single Scan Range	280×250mm	300x250 mm	300x275 mm
Scan Range	100-6000 mm	100-8000 mm	100-8000 mm
Working Distance	300mm	300 mm	300 mm
Scan Depth	250mm	250 mm	250 mm
Supporting Program for Extended Measurement	DigiMetric	DigiMetric	DigiMetric
Light Source	6 line laser ray	10 line laser ray	14 line laser ray
Laser Category	Class II (eye safe)		
Software	3DScan		
Output Data Format	STL, ASC, DGM, OBJ, etc., and compatible with the mainstream 3D software		
OS System Support	win10 64bit		
Operation Temperature	-10 to 40 °C		
Transmission Mode	USB 3.0		
Weight	0.95 kg		
Dimension	130 x 90 x 310 mm		

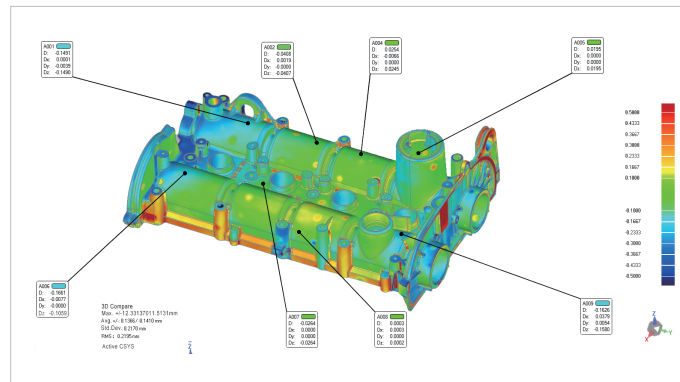
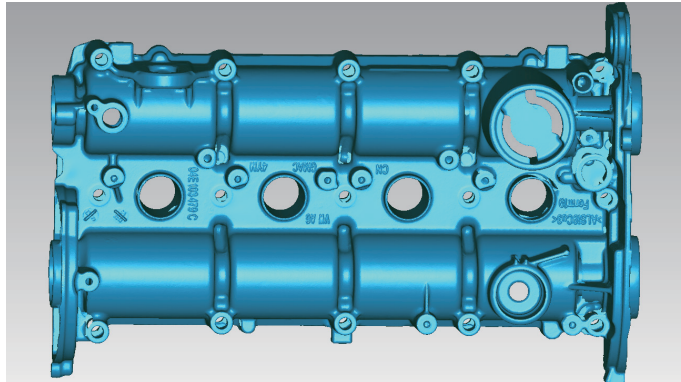
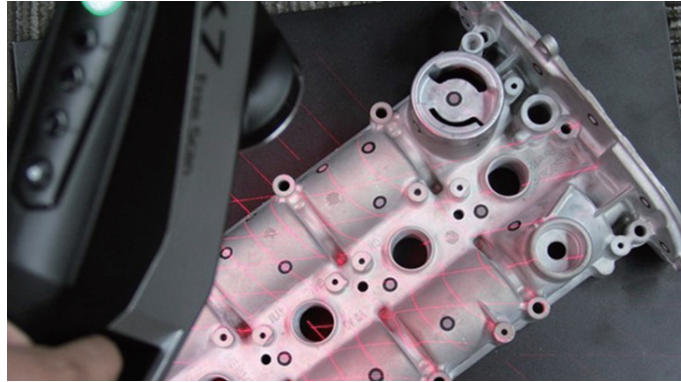
*Notice: SHINING 3D reserves the right to explain any alteration of the specifications and pictures.



SHINING 3D®

FREESCAN X3/X5/X7 HANDHELD 3D LASER SCANNER





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

FEATURES

1. HIGH ACCURACY, HIGH SPEED, HIGH RESOLUTION.

High accuracy up to 0.03mm, high scanning speed up to 480,000 dots/s, high resolution up to 0.05mm.

2. HIGH COMPATIBILITY

Creating smart grid and seamlessly connecting with the main 3D software to improve the working efficiency.

3. LIGHT BODY, EASY OPERATION

Ultra-portable laser handheld 3D measurement system with only 0.95 kg.

4. COMPLETE FREEDOM OF 3D SCANNING

All-dimensional scanning of objects, not restricted by part dimensions materials, color and complexity, etc.

5. TRIANGULAR SELF-POSITIONING TECHNOLOGY

Scanned parts can be freely movable, fixed installation not required, assured high accuracy.