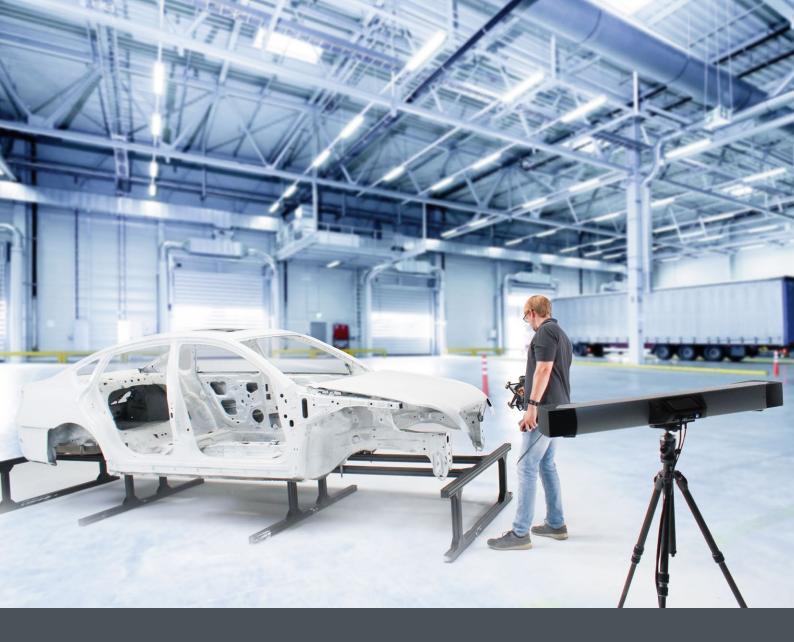


# FreeScan Trak Pro

Portable Optical Coordinate Measuring System





## FreeScan Trak Pro

FreeScan Trak Pro Optical Tracking 3D Scanning System, independently developed by SHINING 3D, uses special technology to obtain complete and accurate 3D data of medium and large objects by capturing the spatial position of the scanner head in real time with an optical tracker. It is suitable for various static and dynamic applications, including large scale 3D inspection in aerospace, automotive, shipping and energy industries etc.





#### Dynamic referencing

The tracker or the object can be moved freely during measurement, allowing users to scan in unstable environment.



# Metrology-grade measurements

The accuracy is up to 0.023mm,and the system has high repeatability.





#### Fine and rich details

Fine scanning with 7 parallel blue laser lines.Get the complete 3D data of the workpiece details.



#### High efficiency

Rapid scanning with 34 crossed blue laser lines. Efficient acquisition of 3D data for medium to large workpieces.





#### Extendable measuring range

Wide measuring range covering from 0.1m upwards. Supports transfer station/linkage method to extend the measuring range.



#### Multiple alignment modes

Support optical tracking/markers dual mode. Flexible switching for different scenes.





#### **Easy Operation**

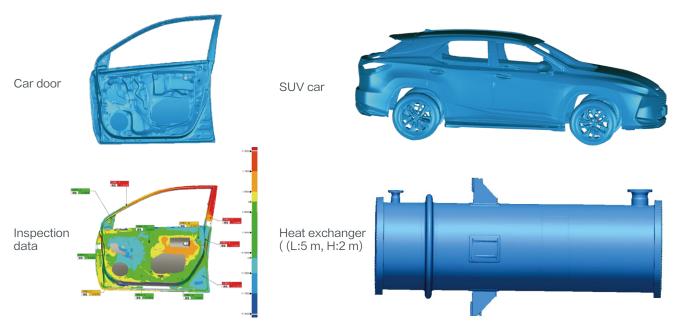
Inheriting the lightweight and ergonomic design, the user-friendly scanning software enables an easy operation and shortens the learning curve.



# Wide range of material adaptations

Supports scanning of black and high-reflective surfaces, more efficient scanning process.

### **3D DATA**



### **APPLICATIONS**













### **SPECIFICATION**

FreeTrak Pro		FreeScan TE17	
Accuracy	Up to 0.023 mm		
Volumetric Accuracy	9.1 m³: 0.062 mm; 16.6 m³: 0.072 mm		
Resolution	0.02 mm		
Measurement Rate	1370000 measurements/s		
Part Size Range(recommended) 0.		0.1~	10 m
Weight	7.2 kg		1.47 kg
Dimensions	1079 mm x 237 mm x 110mm		281mm x283mm x290mm
Light Source	Infrared LED		34 cross blue laser lines, 7 parallel blue laser lines
Laser Class	Class II		
Stand-off Distance	300 mm		
Depth-of-field	400 mm		
Scanning Area	600 mm x 500 mm		
Connection Standard	EEE802.11 n/ac、IEEE802.3ab		
Output Formats STL, ASC, OBJ, PLY, 3MF			
Operating Temperature Range		−10°C − 40°C	
Operating Humidity Range (non-condensing) 10%			- 90%

Notice: SHINING 3D reserves the right to modify or adjust above specifications and pictures.

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