



Revopoint

Trackit Optical Tracking 3D Scanner



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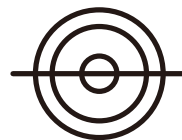
Trackit is Revopoint's latest Tracking 3D Scanner, featuring a high-accuracy scanner and optical Tracker for fine-detail scanning and measurement in industrial applications. It enables rapid capture of 3D data without markers.



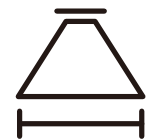
Intelligent Tracking,
Marker-free Scans



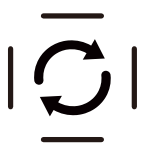
30 Laser Cross Lines



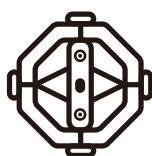
Single Line Laser



Big Tracking Range



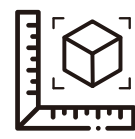
Quickly Reposition
the Base Station



One-piece Carbon
Fiber Frame



Auto Gimbal
Calibration



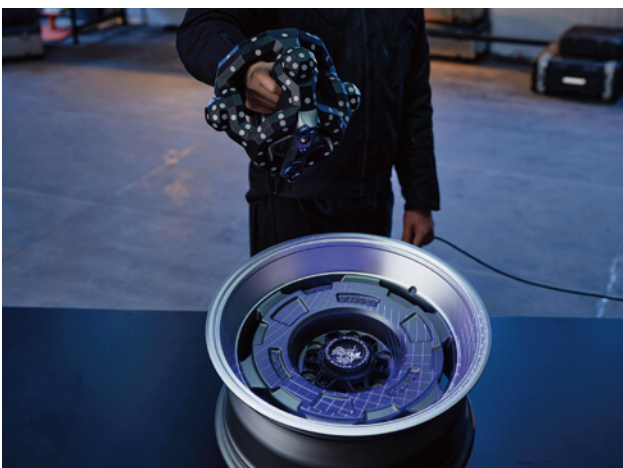
Professional Software

Optical Tracking, Marker-free Scans

Using intelligent optical tracking technology and multiple sensors, Trackit accurately captures objects in real-time without markers.



Ready for Multiple Scanning Needs



30 Cross-line Lasers Mode

Rapidly capture surface areas, including dark, shiny, and metallic ones



Single Line Laser Mode

Scan deep holes and grooves with up to 0.02 mm single-frame accuracy

Auto Calibration Ensuring Reliability

The dual-axis gimbal and software automatically run over 200 poses calibration on the scanner, easing calibration and enhancing efficiency.



Step 1

Handheld manual Scanner calibration.



Step 2

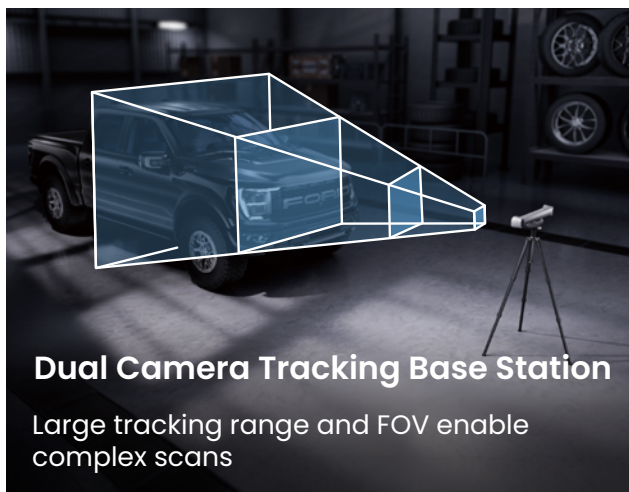
Dual-axis gimbal automatic Tracker calibration.



Step 3

Automatic hand-eye calibration using the high-accuracy calibration board and dual-axis gimbal with advanced algorithms.

Real-Time Point Cloud Monitoring for Optimal Results



One-piece Carbon Fiber Frame, Lightweight and robust, it ensures accurate and reliable scans

Weights



1.2 kg

CNAS Certified Industrial Grade Accuracy

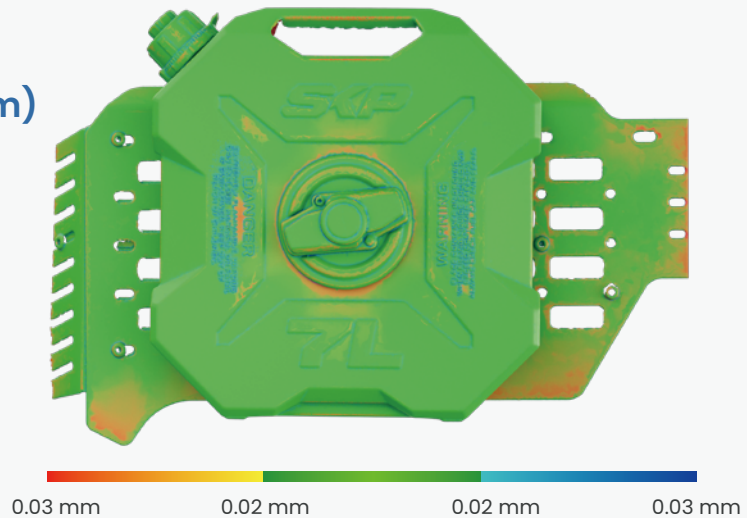
Complies with VDI/VDE standards

Volumetric Accuracy

0.02 mm + 0.04 mm × L (m)



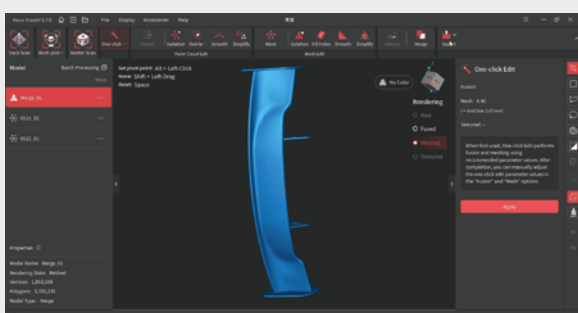
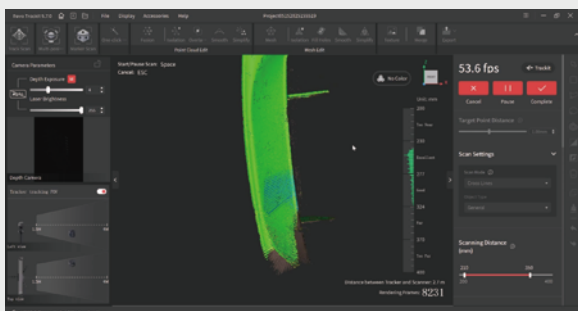
Scan Small to Large
Objects 10 mm – 6 m



Professional software for seamless scanning, processing, and measurement workflow



Revo Track
One-click Post-processing



Revo Measure
Professional 3D Measurement Software



Accurate Dimension Measurement



GD&T Analysis



Model Deviation Analysis



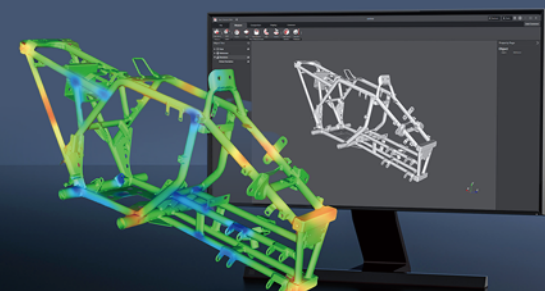
Section Creation and Measurement



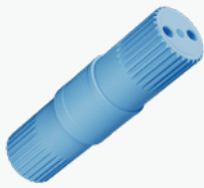
Measurement Report Export



Support for Multiple Data Formats: PLY, OBJ, STL, and PTS



Capture Small to Big Objects



80 mm (Ø) x 287 mm (H)



5720 mm (L) x 2130 mm (H)

Standalone Handheld Scans

Easily capture hidden or interior areas that the base station cannot see.



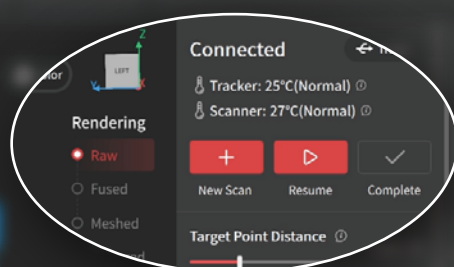
Realistic Texture Mapping

Create realistic 3D models by capturing object color and texture from multiple angles.



Temperature Monitoring

Ensure scanning accuracy with real-time temperature monitoring.



Professional Accessories

Enhancing scanning workflows.



Specifications

Revopoint Trackit Optical Tracking 3D Scanner	
Scanner	
Single-frame Accuracy ^①	0.02 mm
Fused Point Distance, up to	0.05 mm
Scanning Speed, up to	1,500,000 Point/s
Light Source ^②	30 Blue Cross Laser Lines 1 Blue Single Laser Line
Working Distance	200 – 400 mm
Single Capture Area at Nearest Distance	160 × 70 mm @ 200 mm
Single Capture Area at Furthest Distance	320 × 215 mm @ 400 mm
Weight	1.2 kg
Dimensions (L × W × H)	295 × 295 × 205 mm
Operating Temperature Range ^③	0 – 40 °C
Output Formats	PLY , OBJ , STL , ASC , 3MF , GLTF , FBX
Material	Frame: Carbon Fiber Housing: Polycarbonate
Tracker	
Part Size Range (Recommended)	0.01 – 6 m
Volumetric Accuracy (Tracking system)	0.02 mm + 0.04 mm × L (m)
Working Distance	1500 mm – 4000 mm
Minimum Tracking Frame	1304 × 1067 mm @ 1500 mm
Maximum Tracking Frame	3260 × 2845 mm @ 4000 mm
Tracking Volume	11 m ³
Weight	2.0 kg
Dimensions (L × W × H)	686 × 106 × 111 mm
Tracking Band	Infrared
User Recalibration	Auto Calibration Tracker has an auto gimbal calibration system. The Scanner requires manual calibration.
Supported Accessories	Calibration Board, Calibration Pole, Auto Calibration Dual-axis Gimbal, Anchor Block, Large Turntable

Note

1. Accuracy are acquired in a controlled lab environment. Actual results might vary, subject to the operation environment.
2. Class 1 Laser Safety Tips:
 - (1) The product uses a Class 1 laser projector. Avoid looking directly at it at close range! Please refer to the Class 1 laser standard document for details.
 - (2) To prevent laser reflection, avoid placing reflective surfaces like mirrors or glass in the path of the laser beam.
3. To ensure accuracy, it's recommended to use the product within an environment temperature range of 20°C to 25°C.
4. This product has flashing lights, which may not be suitable for people with photosensitive epilepsy.

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