



Revopoint

We're advancing 3D scanning technology to make it accessible to everyone, inspiring the innovators of tomorrow.

About Revopoint

Revopoint is a global leader in high-precision 3D vision and embodied intelligence technologies. We design and develop our own micro- and nano-optical chips, specializing in core visual algorithms and AI. Our smart devices are trusted across industries, from industrial 3D scanning and robotic vision to aerial drone imaging.

With in-house capabilities that span research, chip production, and product manufacturing, we operate a vertically integrated model that ensures speed, quality, and innovation at every stage. Our flagship products are used by professionals and businesses in over 150 countries and regions worldwide, including Europe, the Americas, and Asia. Key applications range from 3D design and industrial inspection to 3D printing, healthcare, digital entertainment, the creative arts, and cultural preservation.



150 +

Countries and Regions
with Market Coverage



140 +

Patents and
Innovations



300 +

Global
Employees



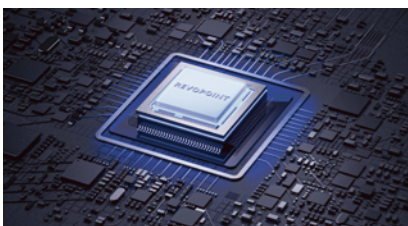
NO.1

Backed Company
in Kickstarter's 3D Category



TOP

Global
3D Scanner Seller



Self-developed Chips



High-precision 3D Scanning Technology



Diverse Product Range

CONTENTS

Industrial-grade 3D Scanner

MetroX Pro / Y / Y Pro	01
------------------------------	----

Tracking Laser 3D Scanner

Trackit	05
---------------	----

Standalone 3D Scanner

MIRACO Pro	11
MIRACO Plus	12

Portable 3D Scanner

POP 3 Plus	15
INSPIRE 2	16
MINI 2	17

Scanning and Editing Software

Revo Scan, Revo Metro, Revo Track	19
---	----

3D Measurement Software

Revo Measure	21
--------------------	----

Reverse Engineering CAD Software

Revo Design	22
-------------------	----

Accessories

	23
--	----

Professional Applications

	24
--	----

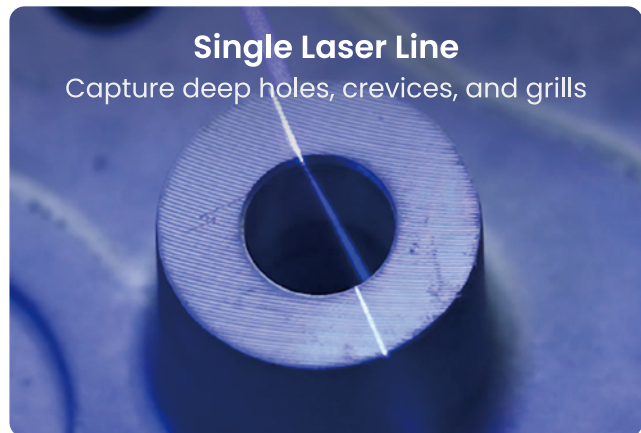
Metro Series 3D Scanner

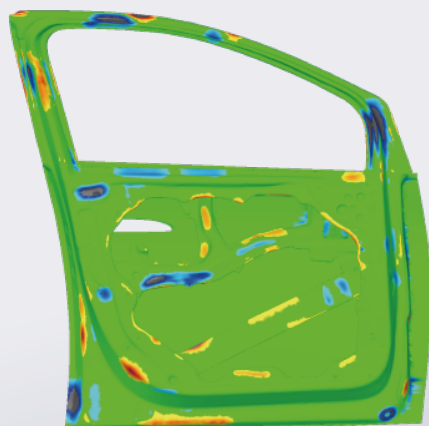
Industrial-grade Blue Laser Scanner



The MetroX Pro, MetroY, and MetroY Pro's industrial-grade blue laser scans are ideal for professional 3D modeling and measurement in automotive manufacturing, industrial measurement, quality control, additive manufacturing, product design, and other fields.

Scanning Modes					
MetroX Pro	30 Blue Cross Laser Lines	15 Blue Parallel Laser Lines	/	62 Line Blue Full-field Structured Light	Auto Turntable
MetroY	30 Blue Cross Laser Lines	15 Blue Parallel Laser Lines	Blue Single Laser Line	/	/
MetroY Pro	34 Blue Cross Laser Lines	15 Blue Parallel Laser Lines	Blue Single Laser Line	62 Line Blue Full-field Structured Light	Auto Turntable

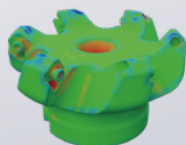




Metrology Grade Accuracy

Single-frame Precision:
Up to **0.01 mm**

Single-frame Accuracy:
Up to **0.02 mm**



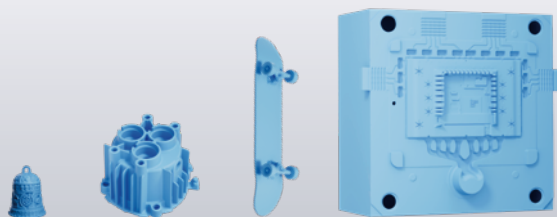
0.03 mm

0.02 mm

0.02 mm

0.03 mm

Scanning Size Small to Medium



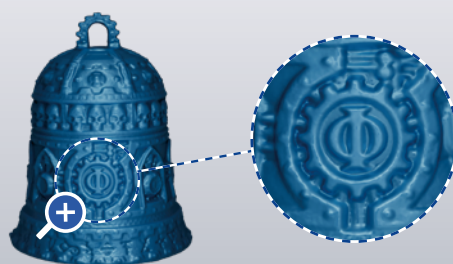
50 mm (H)

125 mm (L)

780 mm (H)

1000 mm (H)

Fused Point Distance Up to **0.05 mm**



PC-to-Mobile Scan Streaming

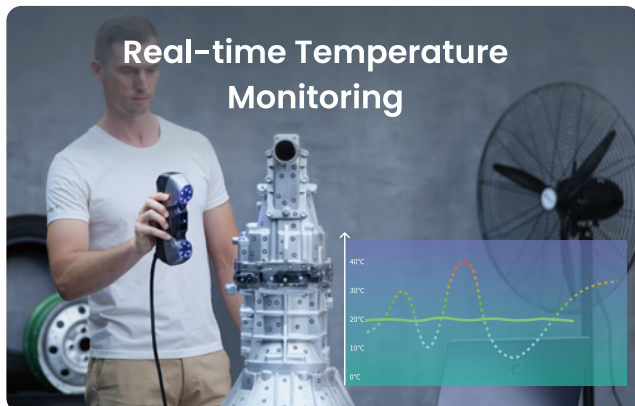
Freedom to Move, Freedom to See



Real Color, Real Results



Real-time Temperature Monitoring



Scan Shiny or Black Surfaces



Specification Comparison

Product Name	MetroX Pro	MetroY	MetroY Pro
Technology	Multi-line Laser Scan and Full-field Structured Light Scan	Multi-line Laser Scan	Multi-line Laser Scan and Full-field Structured Light Scan
Single-frame Precision, up to ^①	0.01 mm		
Single-frame Accuracy, up to ^①	0.02 mm		
Volumetric Accuracy	0.02 mm + 0.04 mm × L (m) L is the length of the object		
Fused Point Distance, up to	0.05 mm		
Working Distance	200 – 400 mm		
Single Capture Area at Nearest Distance	160 × 70 mm at 200 mm	123 × 130 mm at 200 mm	152 × 138 mm at 200 mm
Single Capture Area at Furthest Distance	320 × 215 mm at 400 mm	290 × 260 mm at 400 mm	332 × 276 mm at 400 mm
Minimum Scan Volume	10 × 10 × 10 mm		
Maximum Scan Volume	1 × 1 × 1 m		
Scanning Speed, up to	Multi-line Laser Scan: 2,000,000 Points/s Full-field Structured Light Scan: 7,000,000 Points/s	Multi-line Laser Scan: 1,500,000 Points/s	Multi-line Laser Scan: 2,000,000 Points/s Full-field Structured Light Scan: 7,000,000 Points/s
RGB Camera Resolution	2 Megapixels		
CPU	4 core ARM, 2.0 GHz		
3D Light Source ^②	30 Blue Cross Laser Lines 15 Blue Parallel Laser Lines 62 Line Blue Full-field Structured Light	30 Blue Cross Laser Lines 15 Blue Parallel Laser Lines Blue Single Laser Line	34 Blue Cross Laser Lines 15 Blue Parallel Laser Lines Blue Single Laser Line 62 Line Blue Full-field Structured Light
Fill Lights ^③	12 Blue LEDs		
Scanner Weight	508 g	447 g	450 g
Dimensions (L × W × H)	209 × 88 × 44 mm	211 × 94 × 47 mm	

Notes:

① Precision and Accuracy were both acquired in a controlled lab environment. Actual results might vary, subject to the operation environment.

② Laser Safety Tips:

MetroY 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.

MetroX Pro, MetroY Pro uses a Class 2M laser projector. Avoid looking directly at it at close range! Please refer to the Class 2M laser standard document for details. To avoid retina damage, don't look directly into the laser beam through optical instruments capable of magnifying it (e.g., telescopes, and camera lenses). To prevent laser reflection, avoid placing reflective surfaces like mirrors or glass in the path of the laser beam.

③ Some products have flashing lights, which may not be suitable for people with photosensitive epilepsy.



Trackit Optical Tracking 3D Scanner

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



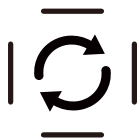
30 Laser Cross Lines



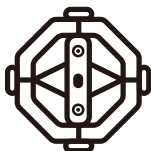
Single Line Laser



Big Tracking Range



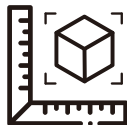
Quickly Reposition the
Base Station



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.



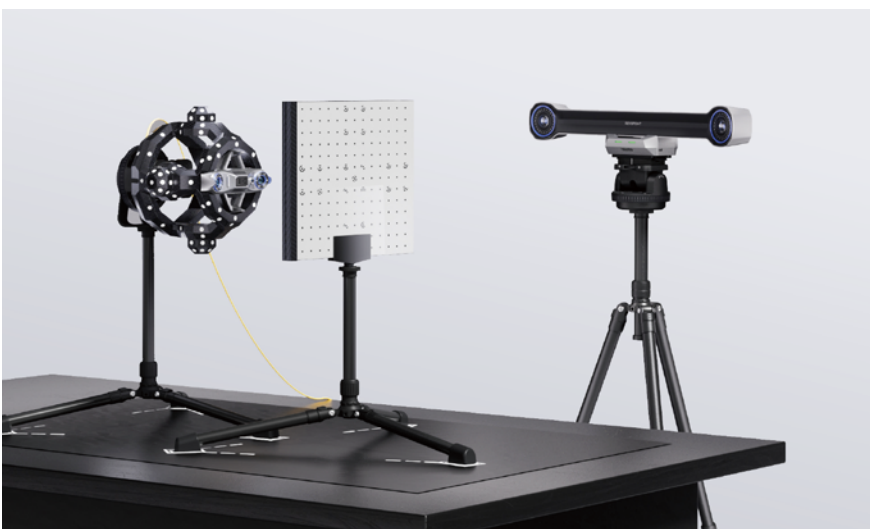
Step 1

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.

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



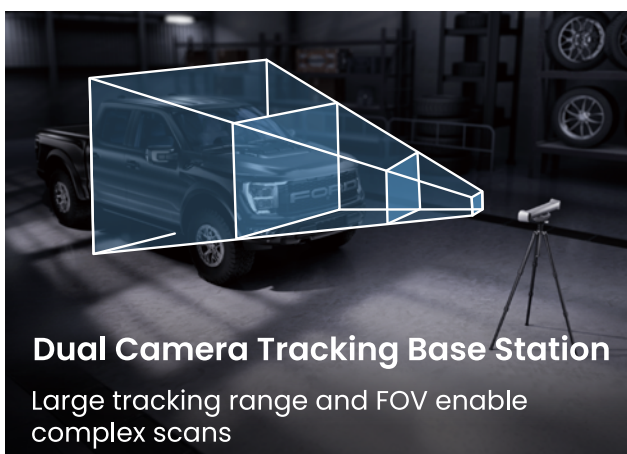
0.03 mm

0.02 mm

0.02 mm

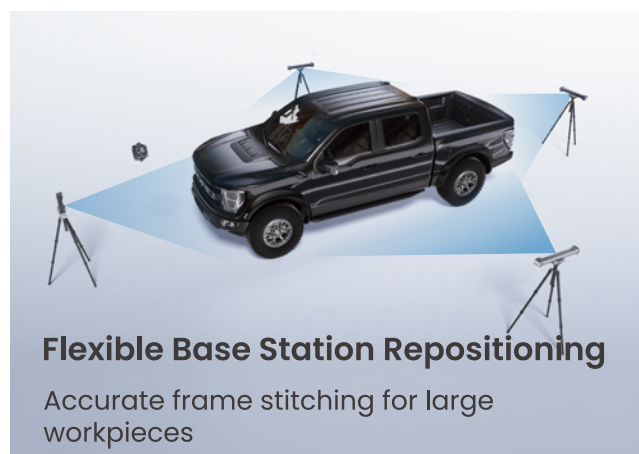
0.03 mm

Real-Time Point Cloud Monitoring for Optimal Results



Dual Camera Tracking Base Station

Large tracking range and FOV enable complex scans



Flexible Base Station Repositioning

Accurate frame stitching for large workpieces

Trackit

Capture Small to Big Objects



80 mm (Ø) x 287 mm (H) 5720 mm (L) x 2130 mm (H)

One-piece Carbon Fiber Frame, Lightweight and robust

1.2 kg



Standalone Handheld Scans

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



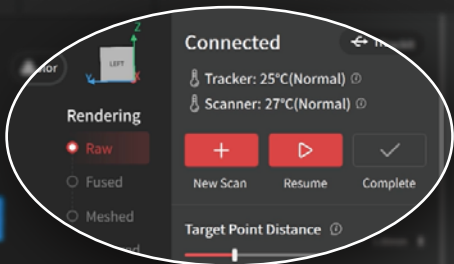
Realistic Texture Mapping

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



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.

MIRACO Pro

MIRACO Pro 3D Scanner

3D Scanning Redefined

Featuring a robust quad-depth camera system, MIRACO Pro offers remarkable accuracy ranging from ultra-fine detail capture to broader area scans.



reddot winner 2024
best of the best



Far-mode & Near-mode

Go Big, Go Small



Length: 12.95 m



Size: 9.97 × 51.2 mm

Up to **0.02 mm** Precision
0.05 mm Accuracy



Two Capture Modes



Continuous Mode



Single-shot Mode

8k Color Capture



48- megapixel
RGB Camera

Powerhouse in Your Hands

8-core 2.4 GHz Processor | 256 GB Hard Drive



32
GB RAM
MIRACO Pro



reddot winner 2024
best of the best

MIRACO Plus 3D Scanner

Everything in One Device:
Scan, Measure, and Innovate

The ultra-high-resolution Photogrammetric Metrology Kit included with MIRACO Plus is essential for reducing cumulative errors in global point cloud stitching.



Photogrammetric Metrology
High Accuracy 3D Measurement



Up to 0.04 mm
Single-frame Accuracy



2x Optical Zoom
Capture Finer Details



20 fps
Faster Scanning Speeds
Up to 20 fps



8K Color Capture
48 Megapixels RGB Camera



Two Capture Modes
Single-shot & Continuous



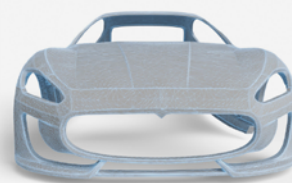
2K AMOLED
180° Adjustable Screen



Stabilized Scanning
9-axis IMU

Scan, Measure, Innovate

First All-in-one
Photogrammetric Metrology
and Scanning



Single-frame
Accuracy
Up to **0.04 mm**

Up to 2x Optical Zoom



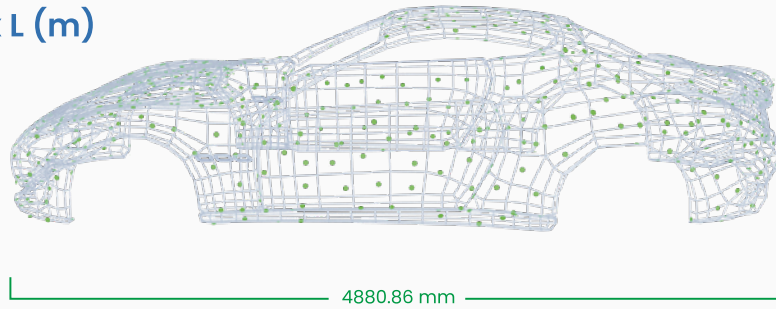
1X



2X

Photogrammetric Length Accuracy

0.02 mm + 0.05 mm x L (m)



All-in-one Workflow



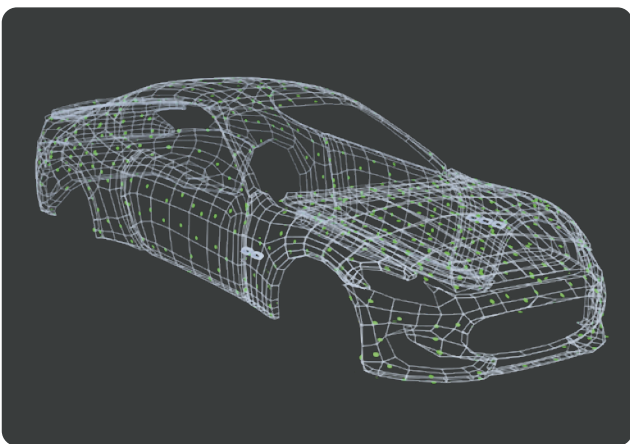
STEP 1: Prepare

Place the scale bars, coded targets, and markers on or around the object's surface.



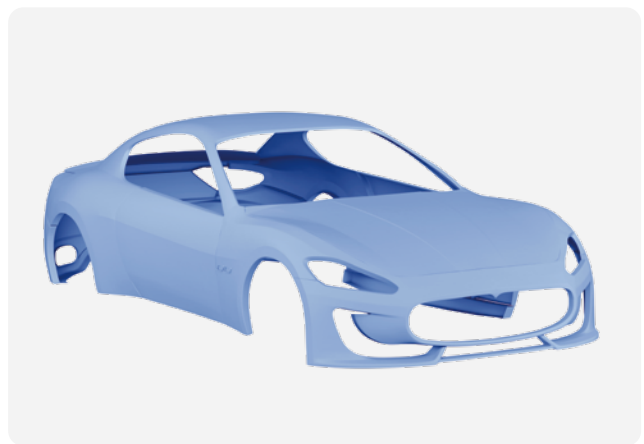
STEP 2: Shoot

Shoot photos of the object at different heights and angles till fully captured.



STEP 3: Calculate and Capture Point Clouds

Calculate the markers, then capture the point clouds all on MIRACO Plus 3D scanner.



STEP 4: Process and Export

Process, edit, and then transfer to a PC.

Specification Comparison

Product Name	MIRACO Pro	MIRACO Plus
Technology	Quad-camera Infrared Structured Light	Quad-camera Infrared Structured Light with Optical zoom, and Ultra-resolution photogrammetric metrology
Single-frame Precision, up to ^①	0.02 mm	
Single-frame Accuracy, up to ^①	0.05 mm	0.04 mm
Photogrammetric Length Accuracy	/	0.02 mm + 0.05 mm × L (m) L is the maximum measuring distance in meters.
Fused Point Distance, up to	0.05 mm	
Working Distance	100 – 1000 mm	
Single Capture Area at Nearest Distance	28 × 53 mm at 100 mm	
Single Capture Area at Furthest Distance	975 × 775 mm at 1000 mm	
Minimum Scan Volume	10 × 10 × 10 mm	
Maximum Scan Volume	4 × 4 × 4 m	
Scanning Speed, up to	15 fps	20 fps
Camera Resolution	Depth Camera: 2 Megapixels RGB Camera: 48 Megapixels	
CPU	8 core ARM A76, 2.4 GHz, Mali G52 GPU	
3D Light Source ^②	Class 1 Infrared Light	
Memory (RAM) + Internal Storage	32 GB + 256 GB	
Fill Lights ^③	Depth Camera: 8 RGB Camera: 2	
Position Sensors	9-axis IMU	

Notes:

- ① Precision and Accuracy were both acquired in a controlled lab environment. Actual results might vary, subject to the operation environment.
- ② 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.
- ③ Some products have flashing lights, which may not be suitable for people with photosensitive epilepsy.

POP 3 Plus

POP 3 Plus 3D Scanner

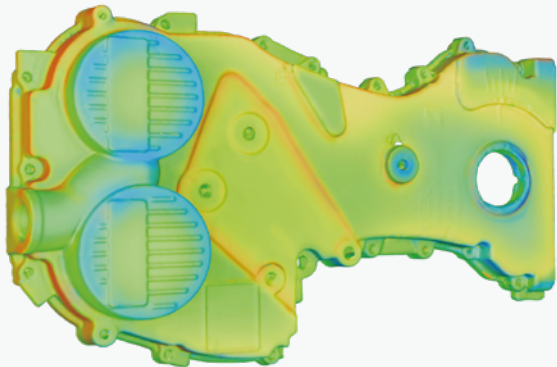
Every Detail Optimized

The POP 3 Plus updates the POP series with 20% better accuracy and precision, and with its new optical projector zoom, it's ready to capture finer details.



Single-frame Precision

Up to 0.04 mm



New Calibration Board

20% Better Accuracy and Precision

Better Detail Capture

Up to x2 Optical Zoom



x1



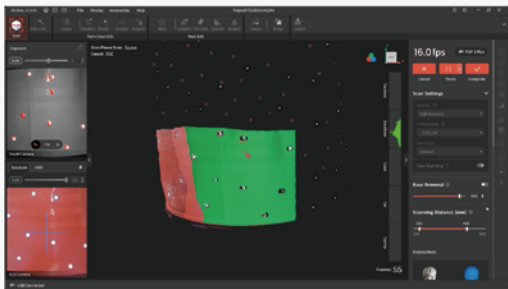
x1.5



x2

Better Marker Tracking

Global Marker Tracking Mode



IR + RGB Fill Lights

Create Full-color 3D Models



Fast Scanning Speeds

Up to 18 fps



INSPIRE 2 3D Scanner

Inspiration in Your Pocket

The INSPIRE 2's new dual-mode scanning system supports wireless scanning indoors and outdoors. Its lightweight design, high-accuracy 3D scans, and ease of use provide a capable 3D data capture solution.



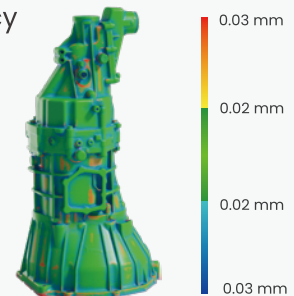
Reality, Captured Perfectly

Up to **0.05 mm** Accuracy



Volumetric Accuracy

**0.05 mm +
0.1 mm × L (m)**



11 Parallel Infrared Laser Lines

Scan Dark or Shiny Surfaces



Infrared Structured Light

Marker-free, Body Scans, and More



Real-tone Color Scans



Up to 20,000 lux
Outdoor Scanning



**Connect Via Wi-Fi to
Mobile Devices**



MINI 2

MINI 2 3D Scanner

Unleash Precision, Embrace Innovation

Capture the tiniest detail with the Revopoint MINI 2 3D scanner's powerful blue light technology.



Metrology-grade Precision

Up to **0.02 mm** Single-frame Precision



Ultra-high Resolution Blue Light

Capture Every Detail



2 Megapixels

Uniform Color Scans



Fast Scanning Speeds

Up to 16 fps



Extended Single Capture Range

52 × 64 mm at 120 mm
168 × 132 mm at 250 mm

Faster Connectivity

USB Type-C + Wi-Fi 6



Specification Comparison

Product Name	POP 3 Plus	INSPIRE 2	MINI 2
Technology	Dual-camera Infrared Structured Light	Dual-camera Infrared Structured Light and Infrared Multi-line Laser	Dual-camera Blue Structured Light
Single-frame Precision, up to ^①	0.04 mm	0.03 mm	0.02 mm
Single-frame Accuracy, up to ^②	0.08 mm	0.05 mm	0.05 mm
Volumetric Accuracy	/	0.05 mm + 0.1 mm × L (m) L is the length of the object. Note: Using marker tracking mode	/
Fused Point Distance, up to	0.05 mm	0.1 mm	0.02 mm
Working Distance	150 – 400 mm	Indoor: 200 ~ 400 mm Outdoor: 150 ~ 250 mm	120 – 250 mm
Single Capture Area at Nearest Distance	61 × 68 mm at 150 mm	Indoor: 130 × 129 mm at 200 mm	52 × 64 mm at 120 mm
Single Capture Area at Furthest Distance	244 × 180 mm at 400 mm	Indoor: 293 × 257 mm at 400 mm	168 × 132 mm at 250 mm
Minimum Scan Volume	20 × 20 × 20 mm	20 × 20 × 20 mm	10 × 10 × 10 mm
Maximum Scan Volume	2 × 2 × 2 m	2 × 2 × 2 m	0.5 × 0.5 × 0.5 m
Scanning Speed, up to	18 fps	Full-field Structured Light Scan: 18 fps Multi-line Laser Scan: 90 fps (GPU), 40 fps (CPU)	16 fps
CPU	2 core, 1.6 GHz	2 core, 1.6 GHz	2 core, 1.8 GHz
3D Light Source ^③	Class 1 Infrared Light	Class 1 Infrared Light	Class 1 Blue Light
Fill Lights ^④	Depth Camera: 4 RGB Camera: 2	Depth Camera: 4 RGB Camera: 1	Depth Camera: 4 RGB Camera: 2
Position Sensors	9-axis IMU	/	9-axis IMU

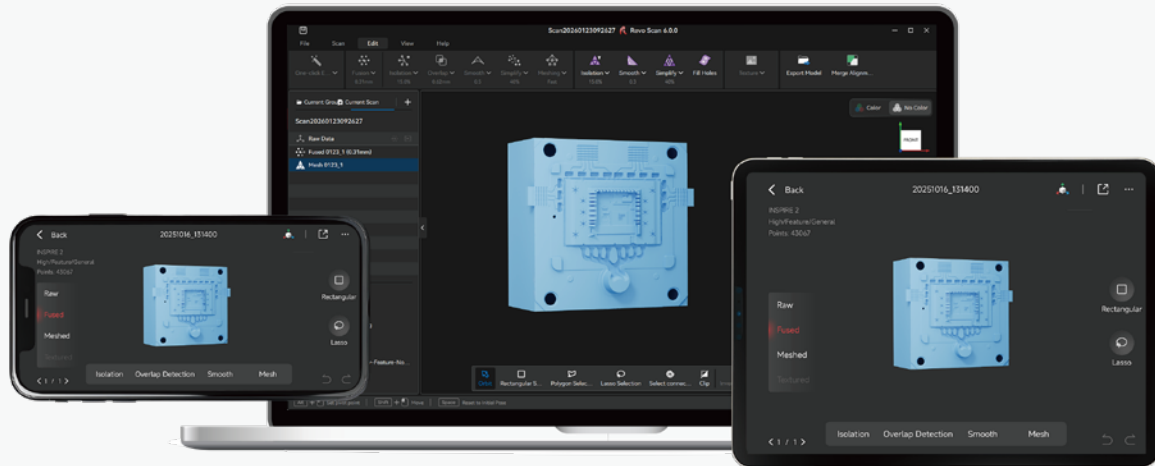
Notes:

① Precision and Accuracy were both acquired in a controlled lab environment. Actual results might vary, subject to the operation environment.

② Class 1 Laser: Avoid direct eye exposure for extended periods! Refer to Standards for Class 1 Lasers for details.

③ Some products have flashing lights, which may not be suitable for people with photosensitive epilepsy.

Professional Multifunctional 3D Scanning and Post-editing Software



One-click
Post-processing



Runs on
Nearly Everything

Intuitively control your scans and edit your data using the free Revo Scan software. It's compatible with iOS, Android, Windows, and macOS devices and supports STL, PLY, OBJ, ASC, 3MF, GLTF, and FBX file formats for seamless workflows with most CAD, 3D modeling, and slicer software.



One-click Editing

User-friendly post-processing operations.



Key Frame Editing

Edit raw data frame by frame.



Powerful Model Editing

Support point cloud and mesh editing.



Useful Tools

Rectangular Selection, Polygon Selection, Lasso Selection, Select Connection, and so on.



Multi-format Export

Export your models in PLY, OBJ, STL, ASC, 3MF, GLTF, or FBX formats.



Multi-language

Offers 12 languages, including English, Spanish, and German.



Free to Download and Update

Download for free from Revopoint's website. It's continuously updated with new features.



Full Documentation

Provide tutorial videos and user manuals on the Learning page.

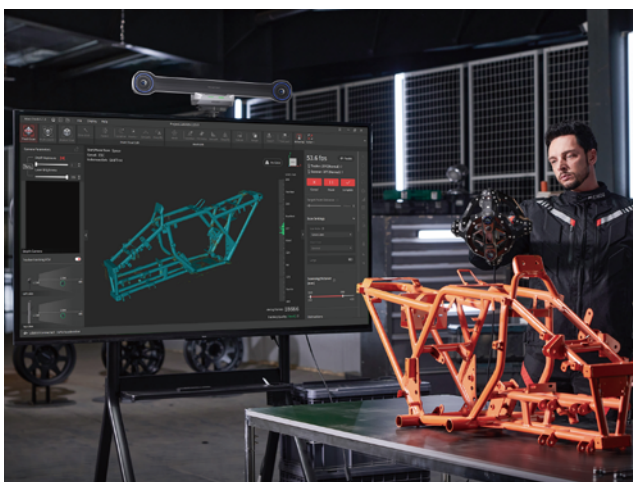
Software Supported Devices

Revo Scan Powered by Revopoint MIRACO Series (For PC Scans) INSPIRE POP 3 Plus MINI 2 RANGE 2	Revo Metro Powered by Revopoint MetroY Pro MetroY MetroX Pro INSPIRE 2
Revo Track Powered by Revopoint Trackit	Revo Mirror Powered by Revopoint Enables cross-platform screen mirroring from computers to mobile devices. Revo Track Revo Metro

Note: Check the Revopoint website for the latest product support info.

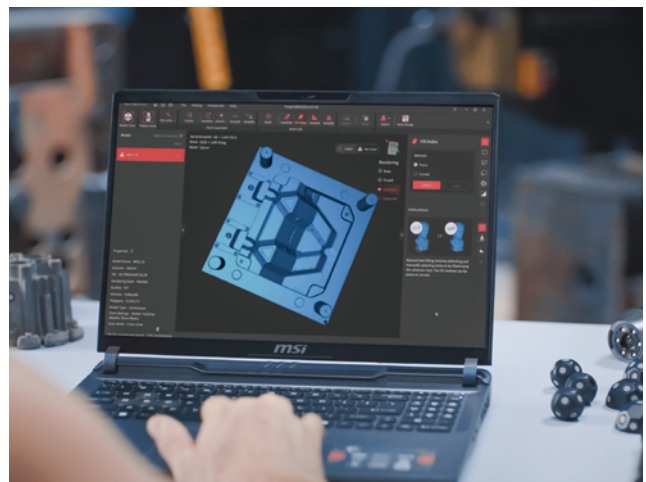
Scan

Granular scan settings let you control every aspect of the scanning process, ensuring optimal point cloud capture.

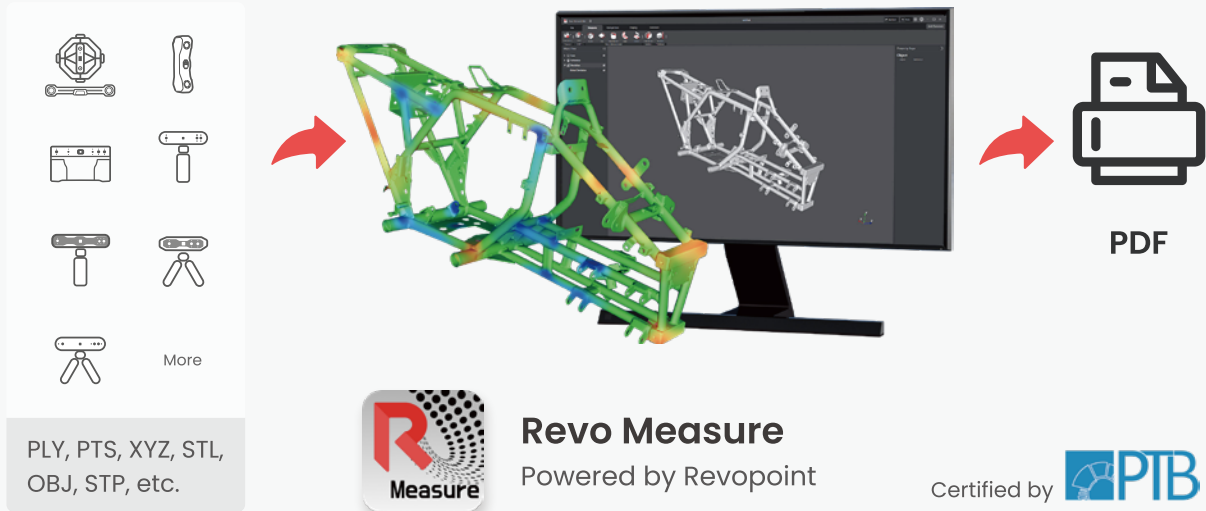


Post-editing

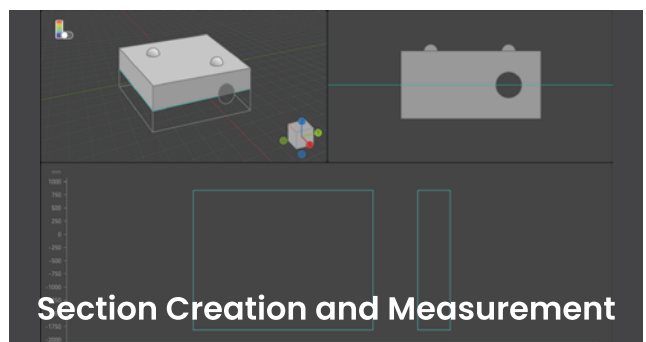
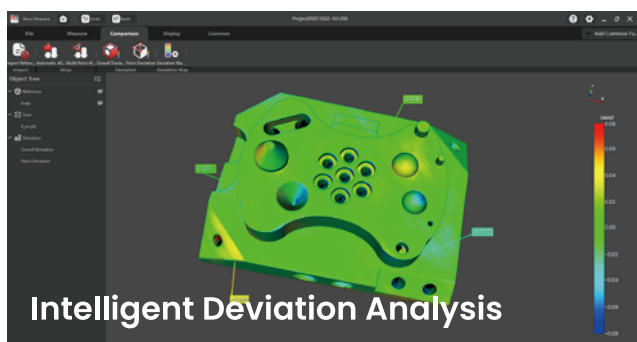
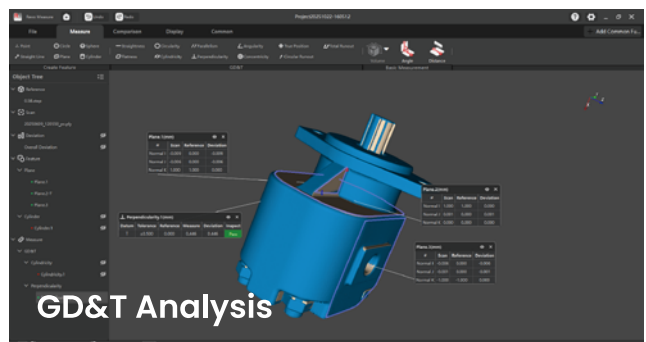
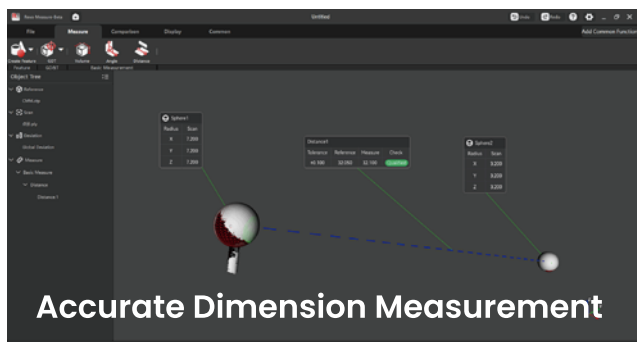
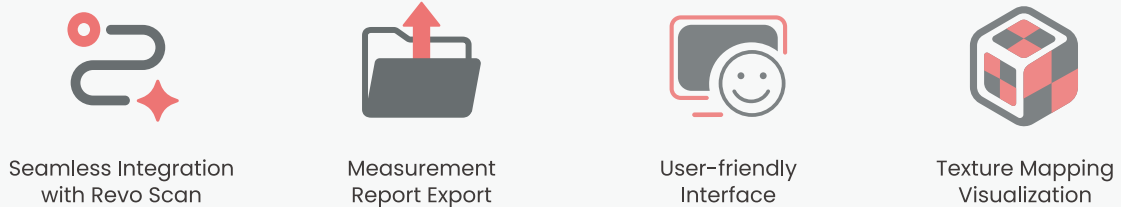
A professional suite of editing and selection tools meets your model processing needs.



Professional 3D Measurement Software



Precision, Visualized: From Scan to Insight



Streamline Your 3D Scan-to-CAD Workflow



Interactive Selection



Parametric Modelling



Automatic Surfacing



Free Form Modelling



Real-time
Deviation Control



Hybrid Modelling



Mesh Realignment



User Controllable
Accuracy

Professional 3D Scan-to-CAD Modeling Software

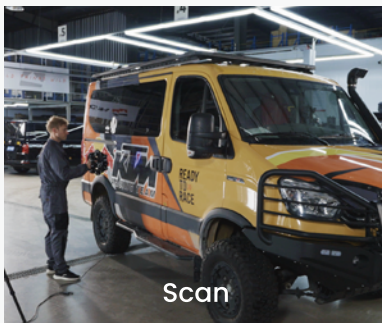
Step 01



Step 02



Step 03



Accessories

Enhance Your Scanning Experience



Electric Large
Turntable



Dual-axis Turntable



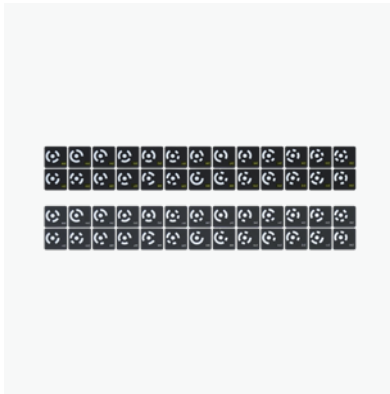
Portable Turntable



High-reflective
Markers



Marker Block Kit
(Magnetic)



Coded Targets
(Only for MIRACO Plus)



Power Bank Kit
(For MIRACO Series)



Mobile Kit (II)

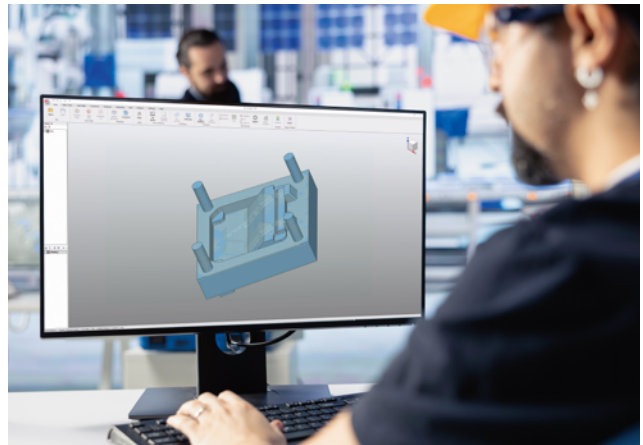


Mobile Kit (3rd Gen)
(For MetroY Series)

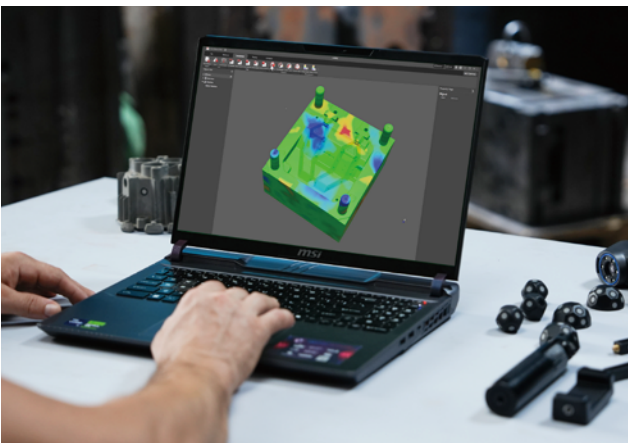
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