

Skaner 3D Revopoint MetroY



Model: METRO-Y

Manufacturer: REVOPOINT

EAN: 6975577881458

Product Code: 807318

R26,710

Revopoint MetroY 3D scanner

Revopoint MetroY is a professional 3D scanner designed for engineers, designers, makers and quality control specialists working with small to medium-sized components. The device scans objects as small as $10 \times 10 \times 10$ mm to as large as $1 \times 1 \times 1$ m, maintaining a high volumetric accuracy of $0.02 \text{ mm} + 0.04 \text{ mm} \times L \text{ (m)}$. It also excels at capturing speeds of up to 1,500,000 points per second. All this makes the MetroY model great for even complex tasks!

Wide range of scanned objects

The MetroY scanner can perfectly handle objects of various sizes - from small technical components (from 10 mm) to items as large as 1 m. This allows you to efficiently perform scans of both precise small parts and more complex structures without having to change the device. Such versatility allows you to use the product in a variety of design and manufacturing processes, both in smaller studios and large industrial plants.

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Several scanning modes to choose from

The MetroY uses a set of 30 blue laser cross lines, 15 parallel lines and one single line, enabling accurate scanning of a wide variety of objects. There are also several modes to choose from. Cross-Lines makes it easy to capture shiny and dark materials, Parallel-Lines works well for fine and complex details, and Single-Line allows you to accurately capture the geometry of deep holes, channels and hard-to-reach areas using markers.

High precision and mapping stability

The device provides a volumetric accuracy of $0.02 \text{ mm} + 0.04 \text{ mm} \times L \text{ (m)}$, which guarantees data consistency throughout the model - even when working with larger parts. This is very important in engineering, where the scanner is used for dimensional inspection, component matching or shape verification.

Fast data acquisition

Scanning speeds of up to 1,500,000 points per second reduce the preparation time of 3D models, which is especially important when there are a large number of scans or the process needs to be repeated frequently. The multi-line laser works stably and efficiently, facilitating work in areas that require fast data acquisition without compromising on quality.

Spray-free operation on selected surfaces

MetroY makes it possible to scan many dark and glossy surfaces without first using spray. In many cases, this reduces set-up time and simplifies the entire process. In more challenging situations, such as with transparent, highly reflective or metallic surfaces, you can apply the spray as instructed to achieve optimal results.

Convenient connectivity: Wi-Fi 6 and USB-C

MetroY can operate wired or wirelessly. Wi-Fi 6 connectivity allows you to quickly transfer data to your computer or mobile device, giving you full freedom of movement while scanning. The USB-C port, on the other hand, provides a stable and fast connection - proving useful, for example, in a lab

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environment or for long scanning sessions.

Ergonomic design and low weight

The Metro scanner weighs only about 447 g, so you can use it comfortably for long periods of time - without feeling tired. The ergonomic handle allows you to confidently guide the device along edges and complex surfaces, and a set of four buttons allows you to operate it intuitively.

A complete set ready for action

The kit includes not only the scanner, but also a USB-C to USB-C cable, power adapter, calibration board, carrying case and 200 markers. This makes the device ready to use right out of the box, with no need to purchase additional items. In addition, the MetroY model is compatible with the Marker Block Kit and Mobile Kit (3rd generation), which expands its application possibilities.

Advanced Revo Metro software

Revo Metro software enables processing of scan data and preparation of models for further work. It supports export in PLY, OBJ, STL, ASC, 3MF, GLTF and FBX formats for seamless integration into popular applications. Compatibility with Windows, macOS, Android and iOS gives users the flexibility to work on their preferred platform.

Multiple applications

MetroY will find applications in reverse engineering, rapid prototyping, quality control and additive manufacturing. With the ability to capture accurate geometry and color, it enables the analysis of engineering components, the rapid creation of reference models and the development of complex components.

Included

- 3D scanner
- USB-C to USB-C cable
- Power supply

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- Markers x200
- Transport case
- Calibration board
- Documentation (quick start guide, certificate, warranty card)

Manufacturer	Revopoint
Model	MetroY
Scanning type	Manual scanning
Technology	Multi-line Laser Scan
Object size range	From small to medium
Precision of a single frame	Up to 0.01 mm
Accuracy of a single frame	Up to 0.02 mm
Volumetric accuracy	0.02 mm + 0.04 mm × L (m)
Minimum point distance	Up to 0.05 mm
Working distance	200-400 mm
Single shot area at closest distance	123 × 130 mm at 200 mm
Single shot area at farthest distance	290 × 260 mm at 400 mm
Angle of field of view	43 × 33°
Minimum scanning volume	10 × 10 × 10 mm
Maximum scanning volume	1 × 1 × 1 m
Scanning speed	Up to 1,500,000 points per second
RGB camera resolution	2 MP
Color scanning	Yes
Tracking methods	Markers, Global Marker
Outdoor scanning	No
3D light source	30 blue cross lines, 15 blue parallel lines, 1 blue single line
Auxiliary lighting	12 blue LEDs

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Processor	2.0 GHz 4-core ARM
Built-in processing chip	Depth processing
Number of buttons	4
Output file formats	PLY, OBJ, STL, ASC, 3MF, GLTF, FBX
3D printing readiness	Yes
Wi-Fi	6
Connector type	USB-C to USB-C
Power supply	DC 12 V, 3 A
Weight of the scanner	447 g
Dimensions (L × W × H)	211 × 94 × 47 mm
User recalibration	Yes
Supported accessories	Marker Block Kit, Mobile Kit (3rd generation)

GPSR Link: <https://psr->

assets.innpro.pl/creative_technologies/sg_creative_technologies_3d_scanners.pdf, Gross weight:

3830, Net weight: 447, Box length: 44,00, Box width: 32,00, Box height: 18,00

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