EinScan Pro 2X V2

Multifunctional Handheld 3D Scanner

The truly portable and versatile handheld 3D scanner for high-quality results

| A great option for scanning small to medium size objects
| Scan faster and more accurate
| Ideal for high-quality 3D modeling

The EinScan Pro 2X V2 is the next generation of handheld 3D scanners, incorporating the latest technology based on feedback from thousands of users and the valuable input of SHINING 3D's R&D team. With increased speed and accuracy, this portable and versatile scanner will greatly improve the efficiency of high-quality 3D modeling.
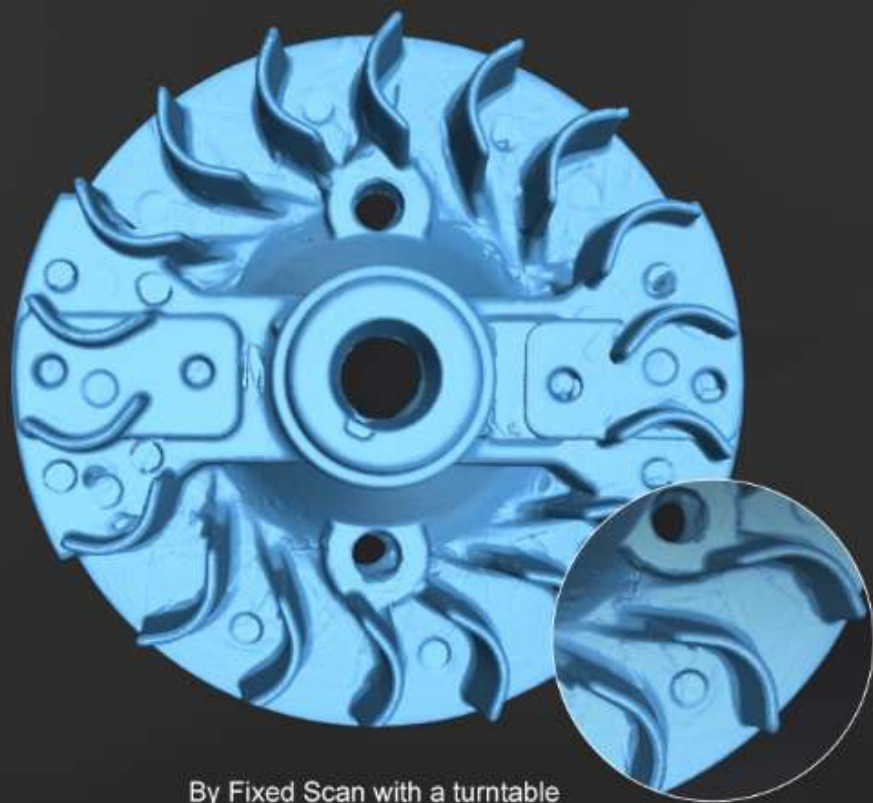
Versatile Scan and Align Modes

Scan Modes:

Handheld Rapid Scan, Handheld HD Scan, Fixed Scan with or without a turntable.

Align Modes:

Feature alignment, Marker alignment, Texture alignment, Turntable coded-targets alignment, Global markers alignment, Manual alignment.

By Fixed Scan with a turntable

Modular Design Scans Objects of All Sizes

Color Pack:
Enables the EinScan Pro 2X V3 to capture full-color texture along with geometry.

Industrial Pack:
Enables the EinScan Pro 2X V3 to perform static automatic scans on a tripod for improved accuracy.

Texture Mapper Lite:
Download the free software Texture Mapper Lite to combine scanned data and photogrammetry using digital camera photos, and create a photorealistic texture 3D model.

Original
Post-scan Data

Post-processing
Data by Texture
Mapper Lite

Get the full-color texture with geometry by adding the Color Pack.

With Texture Mapper Lite, obtaining photorealistic textures becomes a breeze. Combine the true colors of objects with 3D models to enhance model textures and accurately restore item details.

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Manual Mapping   Export

EXScan Pro: Powerful and Intuitive Software

Fixed Scanning:

- One-click Scan
- Background Cutting

Handheld Scanning:

- Auto Cutting Plane
- Flexible Point Distance
- Scan Rewind

User-Friendly Post-Processing:

- Powerful and Easy-to-use Mesh Processing Tools
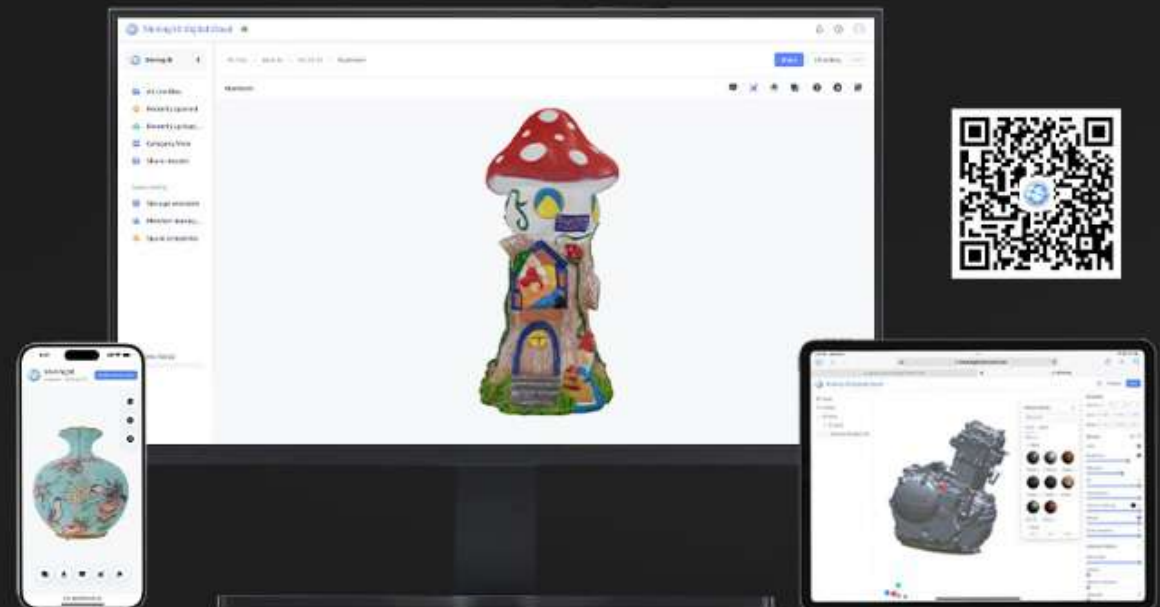- Quick Alignment
- Marker/ Point Cloud / Mesh measurement

Overall:

- Texture Mapper Lite
- Free Shining3D digital cloud space
- Supports 3Dconnexion SpaceMouse

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SHINING 3D Digital Cloud is a comprehensive cloud service platform developed by SHINING 3D.

- Securely store 3D data in the cloud for easy access.
- Effortlessly share 3D data with collaborators.
- View 3D models directly within the platform for quick assessment.
- Easily add and edit labels to effectively organize and manage 3D data.

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**Best handheld scanner and portable
3D scanner in 2019**

This 3D scanner offers a great price-to-performance ratio,
delivering quality results in a matter of minutes.
It is suitable for small to medium-sized objects.

All3DP

**Ushering in the next-generation of
seamless 3D scanning solutions**

The EinScan Pro 2X is making professional 3D scanning
much more accessible and easy to use for beginners,
while also improving the image quality
and overall workflow for advanced users.

EinScan Pro 2X V2 3D Scanner SPECS

Scan Mode	Handheld HD Scan	Handheld Rapid Scan	Fixed Scan with Turntable (with Add-on: Industrial Pack)	Fixed Scan without Turntable (with Add-on: Color Pack)
Scan Accuracy	up to 0.045 mm	up to 0.1 mm	0.04 mm(single shot accuracy)	0.04 mm(single shot accuracy)
Volumetric Accuracy*	0.3 mm/m (Markers Alignment)	0.3 mm/m (Markers Alignment)	/	/
Scan Speed	10 fps 3,000,000 points/s	30 fps1,500,000 points/s	Single Scan < 1s	Single Scan < 1s
Point Distance	0.2 mm-2 mm	0.2 mm-2 mm	0.16 mm	0.16 mm
Scan Range	150*120 mm — 250*200 mm			
Depth of Field	300-500 mm			
Working Distance	400 mm			
Light Source	LED			
Align Mode	Marker Alignment, Texture Alignment [2], Feature Alignment [3], Hybrid Alignment [4]	Marker Alignment, Texture Alignment [2], Feature Alignment [3], Hybrid Alignment [4]	Turntable Coded Targets Alignment, Feature Alignment, Markers Alignment, Manual Alignment, Global Markers Alignment	Markers Alignment, Feature Alignment, Manual Alignment, Global Markers Alignment
Texture Scan	Yes (with Add-on: Color Pack)	Yes (with Add-on: Color Pack)	Yes (with Add-on: Color Pack)	Yes (with Add-on: Color Pack)

Outdoor Operation	Set up the shelter or cover to avoid direct sunlight
Special Objects for Scanning	For the transparent, highly reflective or some dark objects, please spray powder before scanning
Printable Data Output	Able to export watertight 3D model directly to 3D printing
Output Formats	OBJ; STL; ASC; PLY; P3 ; 3MF
Scanner Body Weight	1.13kg (include the USB3.0 cable)
Supported OS	Win7; Win8; Win10; (64bit)
Recommended Configuration	Graphics card: NVIDIA GTX/RTX series cards, higher or equal to GTX 1080; video memory: ≥4G; processor: I7-8700 or higher; memory: ≥64G; interface: USB 3.0
Required Configuration	Graphics card: Equal or higher than NVIDIA Quadro card P1000 or NVIDIA GTX660; processor: Intel (R) Xeon E31230, Intel (R) I5-3470, Intel (R) I7-3770; interface: USB 3.0; memory: 16G

[1]. Volumetric accuracy refers to the relationship between 3D data accuracy and object size; the accuracy is reduced by 0.3mm per 100cm. The conclusion is obtained by measuring the center of sphere under marker alignment.

[2]. This alignment needs Color Pack assisting, and requires rich color texture information on the surface of the object.

[3]. Select this alignment when scanning objects with rich geometrical features on the surface.

[4]. Hybrid alignment means marker alignment and feature alignment can be switched automatically.SHINING 3D reserves the right to explain any alteration of the specifications and pictures. Please refer to einscan.com to find more info