



SOLID EDGE

SolidEdge Shining 3D Edition Included



SHINING 3D

FOR MORE SHINING IDEAS

EINSCAN PRO 2X/2X PLUS MULTI-FUNCTIONAL HANDHELD 3D SCANNER



V.GER

COMPETENCE IN 3D SCANNING

TECHNICAL SPECIFICATIONS EINSCAN PRO 2X

The truly portable and versatile handheld 3D scanner for high resolution results. A great option for scanning of small to medium size objects and ideal for high-quality 3D modeling.



Model	EinScan Pro 2x			
Scan Mode	Handheld HD Scan	Handheld Rapid up	Fixed Scan with Turntable (with Add-on: Industrial Pack)	Fixed Scan without Turn- table (with Add-on: Industrial Pack)
Scan Accuracy	up to 0.05 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)		/	/
Scan Speed	20 fps 100,000 points/s 7 data capture lines	30 fps 1,500,000 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
Single Scan Range	135*100 mm——225*170 mm			
Depth of Field	±100 mm			
Working Distance	400 mm			
Light Source	LED			
Align Mode	Markers Alignment	Markers Alignment, Feature Alignment (with rich geometrical features on the surface), Hybrid Alignment (Markers and Feature)	Turntable Coded Targets, Feature, Markers, Manual Alignment	Markers, Feature, Manual Alignment
Texture Scan	No	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	Win 7, Win 8, Win 10, 64 bit			
PC Requirements	Display card: NVIDIA GTX770 or higher; Video memory>4G; CPU:i7 or higher; RAM: 16G or higher; USB 3.0			

*Notice: SHINING 3D reserves the right to explain any alteration of the specifications and pictures.

TECHNICAL SPECIFICATIONS EINSKAN PRO 2X PLUS

Featuring new powerful algorithms and intuitive workflow, EinScan Pro 2X Plus with a new color of dark grey, offering an enhanced Handheld HD Scan Mode and enlarged scan range, is perfect for capturing 3D model of medium to large size objects with high efficiency.



Model	EinScan Pro 2x Plus			
Scan Mode	Handheld HD Scan	Handheld Rapid Scan	Fixed Scan with Turntable <small>(with Add-on: Industrial Pack)</small>	Fixed Scan without Turntable <small>(with Add-on: Industrial Pack)</small>
Scan Accuracy	up to 0.05 mm	up to 0.1 mm	0.04 mm <small>(Single shot accuracy)</small>	0.04 mm <small>(Single shot accuracy)</small>
Volumetric Accuracy	0.3 mm/m (Markers Alignment)		/	/
Scan Speed	20 fps 1,100,000 points/s 100 data capture lines	30 fps 1,500,000 points/s	Single Scan < 0.5 s	Single Scan < 0.5 s
Point Distance	0.2 mm-3 mm	0.25 mm-3 mm	0.24 mm	0.24 mm
Single Scan Range	208*136 mm——312*204 mm			
Depth of Field	±100 mm			
Working Distance	510 mm			
Light Source	LED			
Align Mode	Markers Alignment	Markers Alignment, Feature Alignment (with rich geometrical features on the surface), Hybrid Alignment (Markers and Feature)	Turntable Coded Targets, Feature, Markers, Manual Alignment	Markers, Feature, Manual Alignment
Texture Scan	No	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	1.13 kg (include the USB3.0 cable)			
Supported OS	Win 7, Win 8, Win 10, 64 bit			
PC Requirements	Display card: NVIDIA GTX770 or higher; Video memory>4G; CPU:i7 or higher; RAM: 16G or higher; USB 3.0			

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Accessories



Color Pack

(For EinScan Pro 2X & 2X Plus)
Gets the full-color texture with geometry.



Industrial Pack

(For EinScan Pro 2X & 2X Plus)
Makes a static automatic scan on a tripod possible for a better accuracy.



HD Prime Pack

(Only for EinScan Pro 2X Plus)
Allows markers free scanning under Hand- held HD Scan mode to achieve fine detail 3D data when the object surface has enough geometries.

New Scanning Software EXSCAN PRO

The new scanning software EXSCAN PRO provides a brand-new UI and workflow. The 3D scan process is as simple as taking a video for either new or experienced users.

EXSCAN PRO

Allows users a faster scanning experience during operation and set the resolution option afterwards during the data processing, which improves scanning efficiency.

- [Simultaneous Data Display](#)
- [High Compatibility](#)

Outputs standard file formats includes STL, OBJ, PLY, ASC, 3MF and P3 (global markers file). Compatible with most mainstream software packages in the market.

By saving watertight models, seamlessly connect to 3D printers for 3D printing.

- [Mesh Editing](#)

Provides mesh editing such as clean, merge, hole filling, data simplification, smoothing, sharpen etc.

Design Tool From SIEMENS PLM Software: Solid Edge SHINING 3D Edition



As a new generation of digital innovation platform, Solid Edge SHINING 3D Edition includes reverse engineering, generative design, and simulation together with CAD tool in one platform. SHINING 3D EinScan series 3D scanners, integrated with Solid Edge SHINING 3D Edition, provide users the solution covering "3D Digitize – Design & Simulate – Additive Manufacture" to generate more high-quality 3D data for production.



SHINING 3D

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