



## EinScan Pro 2X Reverse Engineering Bundle



### Features summary

SHINING 3D is partnering with 3D Systems and Siemens to bring you the latest all in one solution for reverse engineering. Now you can scan with EinScan Pro 2X & EinScan Pro HD multi-functional handheld 3D scanner to get high-quality 3D data. Convert your 3D scans to CAD easier than ever before in Geomagic Essentials. Complete your design for 3D printing and manufacturing with powerful design tool Solid Edge SHINING 3D Edition.

#### Fixed Scan Mode

Capture high-accuracy and high-resolution 3D data of small to medium objects.

#### Handheld Scan Mode

Brings portable and free scanning experience of medium to large objects



## Technical specifications

- [Printer Properties - Handheld Scan](#)

Scan Mode	Handheld HD Scan	Handheld Rapid Scan
Scan Accuracy	up to 0.05 mm	up to 0.1 mm
Volumetric Accuracy*	0.3 mm/m (Markers Alignment)	0.3 mm/m (Markers Alignment)
Scan Speed	20 frames/s; 110,000 points/s; 7 data capture lines	30 frames/s; 1,500,000 points/s
Point Distance	0.2 mm-2 mm	0.2 mm-2 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)
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	
Scanner Body Weight	1.13kg (include the USB3.0 cable)	

- [Printer Properties - Fixed Scan](#)

Scan Mode	Fixed Scan with Turntable (with Add-on: Industrial Pack)	Fixed Scan without Turntable (with Add-on: Industrial Pack)
Scan Accuracy	0.04 mm(single shot accuracy)	0.04 mm(single shot accuracy)
Volumetric Accuracy*	/	/
Scan Speed	Single Scan < 1s	Single Scan < 1s
Point Distance	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	



Scan Mode	Fixed Scan with Turntable (with Add-on: Industrial Pack)	Fixed Scan without Turntable (with Add-on: Industrial Pack)
Align Mode	Turntable Coded Targets, Feature, Markers, Manual Alignment	Markers, Feature, Manual Alignment
Texture Scan	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	
Scanner Body Weight	1.13kg (include the USB3.0 cable)	

- [Ecosystem](#)

<b>Output Formats</b>	OBJ, STL, ASC, PLY, P3, 3MF
<b>Supported OS</b>	Win7, Win8, Win10, (64bit)
<b>Required Configuration</b>	Graphics card: Quadro card P1000 and above or NVIDIA GTX660 and higher Processor: Intel (R) xeon E3-1230, Intel (R) I5-3470, Intel (R) I7-3770 Interface: high-speed USB 3.0 Memory: 8G
<b>Recommended Configuration</b>	Graphics card: NVIDIA GTX1060 and higher Video memory: >4G Processor: I7-8700 Memory: 32G Interface: high-speed USB 3.0