



SOL PRO

3D scanner



Original 90×65 mm



Texture rendering



X-ray rendering



Wireframe rendering

Accuracy
Up to 0.05 mm

Object size
Max. 170×170 mm
Min. 20×20 mm



Precision technology, easy to use

SOL PRO is one of the most accurate 3D desktop scanners on the market. It integrates seamlessly into your 3D workflow where the scanner's precision and quality makes it a perfect partner for your quality assurance, product inspection, prototyping or 3D printing tasks.

Achieve an exceptional 0.05 mm high accuracy through a highly advanced, yet easily performed, calibration process.

SOL PRO is small and lightweight, and uses a combination of laser triangulation and white light technology. The included automated software delivers 3D models with no need for manual alignment or removing of unwanted artifacts. Your 3D scans can be exported and further edited or measured in various third-party 3D software.



SCAN DIMENSION



SOL PRO 3D scanner

SYSTEM REQUIREMENTS

Supported operating systems	Windows 10 64-bit (x64) MacOS Mojave, or newer
Graphics card	Minimum 2 GB memory, must support OpenGL 3.3 or higher (Support for OpenCL 1.2 or higher is recommended)
Recommended hardware	2.4 GHz processor, 8 cores (16 logical processors), 32 GB RAM, 100 GB free disk space (system drive)
Minimum hardware	2.9 GHz processor, 4 cores (8 logical processors), 16 GB RAM, 25 GB free disk space (system drive)
Power input	USB 3.0 (maximum 800 mA)
Internet	Required

SOL PRO 3D SCANNER

Maximum size of object (diameter x height)	170x170 mm (6.7x6.7 in)
Minimum size of object (diameter x height)	20x20 mm (0.8x0.8 in)
Maximum weight on turntable	2 kg (4.4 lbs)
Maximum accuracy	0.05 mm (0.002 in)
Point distance	> 0.26 mm
Camera resolution	8 MP optical compensated
Calibration	Automatic
Process time pr complete 360° scanning pass (calibrate, scan, mesh)	Scanning at normal speed: 15 min. Scanning at turbo speed: 8 min. (Depending on computer hardware and object complexity)
Export file types	OBJ, STL, PLY, DAE, XYZ
Data transfer	USB 3.0
Texture/colors	Yes
Appending/adding scans	Yes, automatic global alignment of added scans
Software updates	Yes (requires registration of scanner)
Tent dimension (LxWxH)	62x35x32 cm (24.4x13.8x12.6 in)
Box dimension (LxWxH)	41x15x30 cm (16.1x5.9x11.8 in)

INCLUDED

SOL PRO 3D scanner
Turntable
Scanner stand
USB 3.0 cable
Blackout tent
Cylindrical target for high accuracy profiling
Software available for download: SOL PRO Creator and SOL PRO Viewer
Easy upload to Sketchfab
Manufacturer warranty

SOL PRO 3D scanner is developed and marketed by Scan Dimension, a subsidiary of Global Scanning Denmark A/S.

The Denmark-based technology company has 30 years of experience in the image-capturing sector and this collective experience is behind the engineering of SOL PRO.



Quality assurance

Confirm that your part is an exact copy of your original. Scan and import to your CAD software and compare to ensure that tolerances are met.

Product inspection

Make sure that your manufactured parts comply with industry tolerance standards. Scan the manufactured object and compare with your original.

Reverse engineering

Use this approach with old replacement parts, discontinued parts or when you are unable to obtain the original drawings.

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