THOR 3D

3D scanner DRAKE

One scanner. Any object.

Drake is the first hand-held 3D scanner that scans almost anything. Choose 1, 2 or 3 sets of lenses to digitize objects as small as a coin and as large as a tractor. Furthermore, Drake is also unique because it uses two projectors and a proprietary mathematical method to achieve unmatched results while scanning the most difficult objects. The complementary, powerful editing software, Thor3D Suite, is easy to use and intuitive and is sure to impress. The perfect tool for engineers, universities, museums, graphic design studios and 3D scanning bureaus, as well a great companion to any 3D printer.

- **The first ever 3-in-1 3D scanner for objects of any size.**
- **Patented hardware and software achieve the best results even on difficult-to-scan objects with sharp edges and shiny, thin walls.**
- **Wireless, hand-held, portable and for any object.**

Mini Lens Midi Lens Maxi Lens

3 sets of interchangeable lenses

Drake Mini has the smallest field and depth of view but can scan up from 1cm sized objects with the highest accuracy (up to 40 microns) and resolution (up to 0.15 mm).

Drake Midi allows scanning up to 3 m sized objects, such as parts of human body, sculptures, automotive spare parts and other complex shapes.

Drake Maxi has the largest field and depth of view, and can easily scan big (up to 8 m in length) objects such as cars, boats, and even planes quickly and accurately.

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www.Thor3DScanner.com

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Technical specifications

	Mini	Midi	Maxi
Accuracy, up to	40 microns	70 microns	150 microns
Accuracy over distance, up to	0.030% over 1 m	0.025% over 1 m	0.020% over 1 m
Resolution, up to	0.15 mm	0.4 mm	0.6 mm
Texture		1.3 MP	
Light Source		White LED	
Depth of view	18–30 cm	33–65 cm	50–100 cm
Optimal stand-off distance	22 cm	45 cm	75 cm
Recommended size of object	0.5–20 cm	10–100 cm	0.30–8 m
Scanning area per frame, mm (min - max)	50x64 – 96x128	158x211 – 321x429	428x571– 857x1142
Frame rate, up to		12	
Data acquisition speed, up to		1 200 000 points/sec	
Multi-core processing		Yes	
Output formats		STL, OBJ, VRML, PLY	
Dimensions, in mm		363 x 250 x 114	
Weight		2.3 kg	
Power		Built-in rechargeable battery, up to 1.25 hours	
Power charger		12V, 60W	
Touchscreen		Built-in 7in screen	
Software		Thor3D Suite (complimentary)	
Data transfer modes		USB Flash drive or WIFI	
Minimum computer requirements		Windows 8.1, 10; Intel Core i7; NVIDIA GeForce 400 or better (with memory of 2 GB or better); RAM: 16 GB	
Operating temperature		+5C ~ +35C	
Operating humidity		20 ~ 80%	

Reverse engineering

Industrial design

Medicine

Computer graphics

Heritage preservation

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