3DMakerpro

Consumer-friendly 3D Scanner

CAPTURE
EVEN
THE
FINEST
DETAIL

Mole

CAPTURE EVEN THE FINEST DETAIL

Just like its name "mole", the scanner we bring can acutely capture the finest detail with a whopping accuracy of up to 0.05mm.

The use of invisible light sources of the near-infrared is protective to the eyes, and it has excellent light compatibility.

Up to 0.05mm Accuracy

Mole can scan small parts and 3D prototypes with deep, hard-to-reach details. Designed with binoculars, Mole is featured by its professional-grade accuracy of up to 0.05mm realized by the improved precision calibration method.
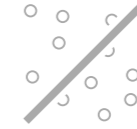
Black Object Scanning

Mole has better material adaptability and can scan black objects, leaving unlimited creativity.

Multispectral Technology

Designed by multi-spectral optical technology, Mole maintains excellent performance even in bright sunlight, vastly improving environmental adaptability.
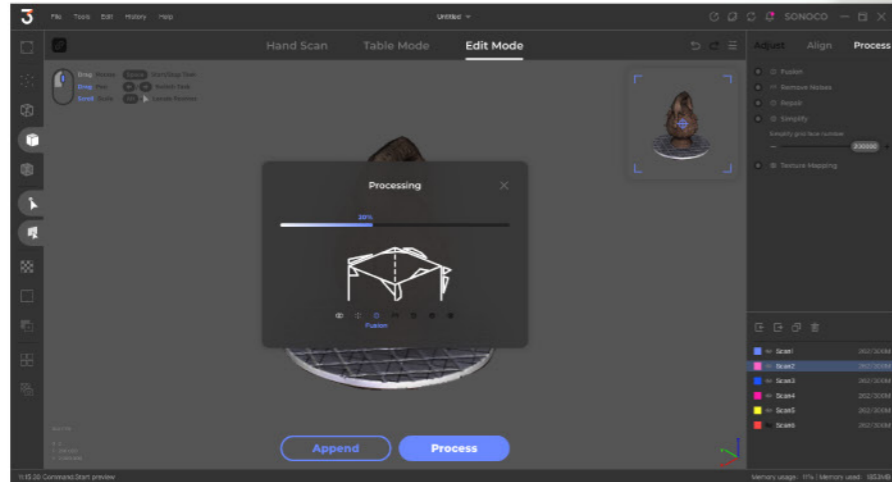
No-marker Scanning

Mole is a real time saver. The intelligent algorithm makes 3D scanning as easy as taking a video. No need to stick markers anymore, even for big parts like engine hood, car door, front or rear bumpers and so on.
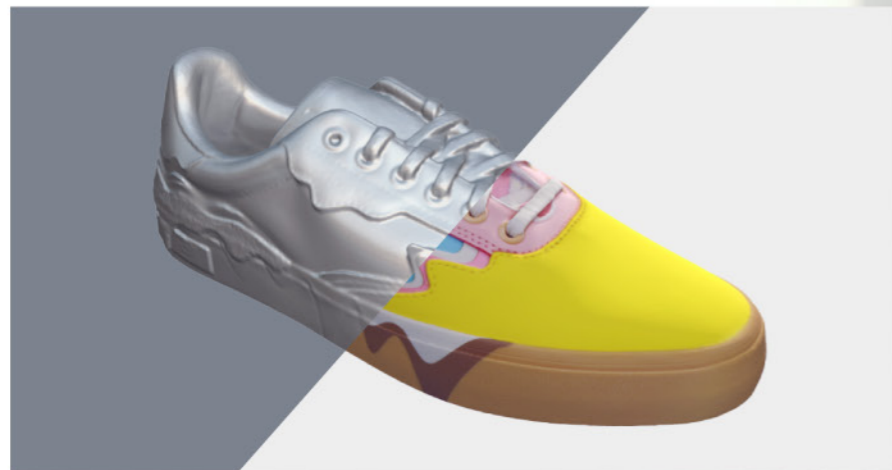
AI-empowered

Through the ensemble algorithms inside, the powerful built-in software is not only compatible with Win10 and MacOS both, but supports automatic alignment of models in different postures, denoising, simplifying, repair and texture mapping.

Realistic Color

Mole comes with a professional-level color kit and supports the shooting of complex colors and textures with mainstream DSLR cameras and mirrorless cameras. Mole will automatically map the colors to the models to achieve true color fidelity.

Duel Modes

In the turntable mode, the automatic scanning process can provide you with a convenient using experience, while it's also flexible and easy to operate in the handheld mode. Furthermore, if you want to use our scanner outdoors, it can work with a portable power bank.

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Tech Specs

Accuracy	0.05mm	**Minimum Scanning**	15×15×15mm	**Light source**	NIR
Resolution	0.1mm	**Frame rate**	10fps	**Tracking Mode**	Visual Tracking
Work distance	150~400mm	**USB interface**	USB2.0	**Dimensions**	141×80×80mm
Single capture range	200×100mm	**Color Texture**	Extended Support	**Weight**	390g
Compatible system	WIN10/11, MacOS 11/12(contains the M1/M2chip)			**Output format**	OBJ/STL/PLY

Minimum computer requirements	Intel Core i5 8th, 16GB RAM, MX250 GPU with 2GB VRAM
Recommended computer requirements	Intel Core i7 8th, 16GB RAM, NVDIA1060 GPU with 4GB VRAM

Compatible Design Software

UnrealEngine	Rhino	Blender	Maya	Meshmixer	MeshLab	TinkerCAD	SketchUp
SolidWorks	ZBrush	Unity3D	3DMax	Cinema4D	Mudbox	Genmagic	Fusion360