There is Nothing Else Like THREE™

Matter and Form THREE is a capable, flexible 3D scanning solution, ready for any job. With no restrictions on object color or size, THREE is a tool you can rely on, whether you need to 3D scan tiny details like on the surface of a coin, or you need to 3D scan a car engine. With integrated software, 13 MP Sony optical sensors, and a cutting-edge DLP MEMS mirror projector, THREE gives you a simple yet effective 3D scanning experience and metrology-level accuracy and resolution.

MAF | Matter and Form

A Complete 3D Scanning Solution

- Engineering & Metrology
- 3D Printing
- Archiving & Research
- Automation Systems
- CTE, University & K12 Education
- Art & Design
- E-Commerce
- Edge Computing

3D scan the tiny details of a coin

3D scan large objects like a motor scooter

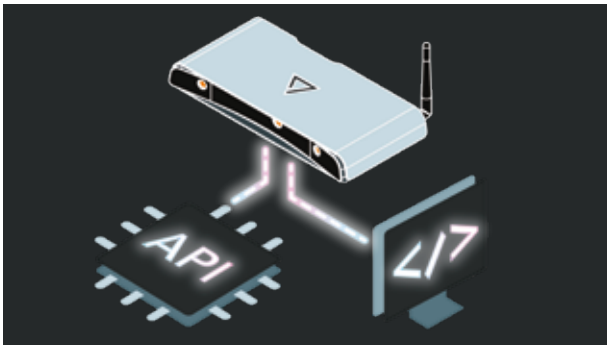
MAF | Matter and Form

Scan Any Size

Scan anything, from a real car engine to a toy car miniature. THREE's flexibility means you only need one scanner for a wide range of projects.

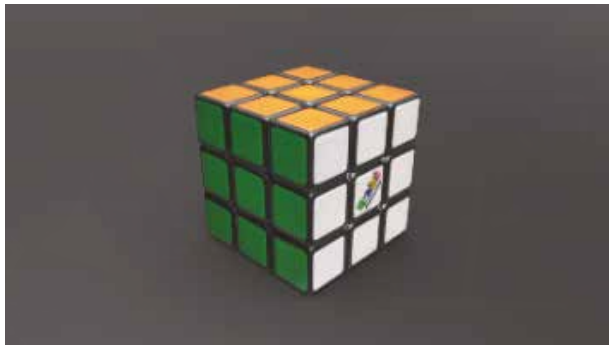
Extraordinary Software

Connect THREE to WIFI, then control its built-in software from your web browser. THREE is a pure pleasure to use with any modern operating system or device.



API and Edge Computing

THREE is your gateway to automation. Use its API to control the scanning, cameras, projector and processing. Select from THREE's open source projects, or code up your own software, then run either on your computer or directly on THREE itself.



ChromaSpec™ Technology

Better than blue light, better than white light, THREE's unique ChromaSpec™ technology uses the full spectrum of visible light to perfectly capture geometry and color.

Accuracy / Resolution / Working Distance

Distance from Scanner	Z Accuracy in Microns	Resolution in Microns
220 mm / 8.66"	33	37
400 mm / 15.74"	150	65
700 mm / 27.55"	400	114

Technical Specifications

Name	Matter and Form THREE 3D Scanner
SKU	MFSTHREE
Technology	Stereo camera structured light with focusable cameras
CPU	Quad-core 64bit SoC 1.5GHz with Integrated GPU
RAM	4 GB
Internal Storage	16 GB
Projector	DLP MEMS mirror
Camera Sensor	Sony 13 megapixel
Scan Speed	4 seconds
Processing Speed	10-15 seconds
Alignment	Automatic / Point-pick
Scan Modes	Automated Turntable / Single Shot Scan
Scanning Environment	Indoor and Outdoor(shaded)
Texture / Color Scanning	Yes
Minimum Capturable Feature Size	0.2 mm
Maximum Capturable Object Size	Theoretically unlimited. Practically, scans are limited to the available 16 GB storage capacity
Scanner Weight	709 grams
Scanner Dimensions	251mm x 119mm x 31mm
Operating Systems	ANY operating system that supports a modern web browser
Devices Supported	ANY device that supports a modern web browser
API Access	Yes
Open source project support	Yes
User-Custom Programming (Edge Computing)	Yes
Connection Type	WIFI / Gigabit Ethernet / Hotspot
Output Formats	OBJ, PLY, XYZ, GLTF, DAE, STL, FBX
Power Supply Input	100 - 240V AC, 50/60Hz
Power Supply Output	12V 4A