Peel 3

Minimum System Requirements

You are interested in our 3D scanning solution, but you are wondering if your hardware and software are powerful enough to run and sustain them?

You'll find below the minimum system requirements you need to ensure optimal operation of the Peel 3D measurement solutions.

	Minimum requirements	Recommended specifications
Processor [1]	Intel Core i7 (6+ cores) – 2.3 GHz or more	Intel Core i7 (8 cores) – 2.5 GHz or more
Operating System [2][3]	Windows 10 (64-bit) [4] or Windows 11 (64-bit)	
Graphics Card [5][6]	NVIDIA (6 GB VRAM) OpenGL 4.5 and higher, CUDA Compute Capability 6 .1 [7]	NVIDIA RTX 3070 (8 GB VRAM) OpenGL 4.5 and higher
Memory	16 GB	32 GB
Hard Drive	Solid-state drive (SSD) with at least 200 GB of free space	512 GB SSD
Display	1920 X 1080	
Connecting Ports	1x USB 3.0+	2x USB 3.0+

(1) Processor must support AVX2 instructions
(2) 32-bits OS are not supported
(3) .NET Microsoft Framework version: 4.7.2
(4) Windows 10 version 1909 or higher
(5) GPU memory requirements are proportional to the amount of data collected in a single-scan session. Scanning large parts with higher resolution may exceed the minimum specs and require merging scans.
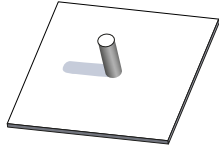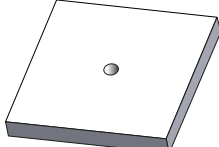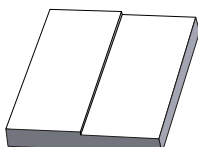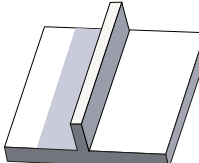(6) Only NVIDIA graphic cards with compute capability 6.1 or higher are supported. Recommended NVIDIA driver version: 536.25
(7) CUDA GPUs – Compute Capability: https://developer.nvidia.com/cuda-gpus#compute

Technical specifications

Explore the amazing performance levels of Peel 3.
This professional 3D scanner is really in a class by itself.

Software	Peel.OS, Peel.CAD [1], Peel.CAD Pro [2]
Recommended object size	0.1 – 3.0 m (0.3–10 ft)
Accuracy	up to 0.050 mm (0.0020 in)
Volumetric accuracy	0.050 mm + 0.100 mm/m (0.0020 in + 0.0012 in/ft)

Measurement capabilities

pin – 1.5 mm (0.059 in)	hole – 3.0 mm (0.118 in)	step – 0.1 mm (0.0039 in)	wall – 1.0 mm (0.039 in)

Mesh resolution	0.250 mm (0.01 in)
Scanning area	340 x 475mm (13.39 x 18.7 in)
Scan speed	80 sec/m^2 (7.4 sec/ft^2)
Usage distance (from object)	250 to 550 mm (9.8 to 21.7 in)
Depth of field	300 mm (11.8 in)
Projector light source	IR VCSEL
Scanner controls	Touchscreen
Color resolution (on object)	50 to 200 DPI
Positioning methods	Geometry and/or targets and/or texture
Measurement rate	1,250,000 measurements/s
Dimensions	304 x 150 x 79 mm (12 x 5.9 x 3.2 in)
Weight	950 g (2.1 lb)
Connectivity	USB 3.0
Output formats (Peel 3)	.dae, .fbx, .ma, .obj, .ply, .stl, .txt, .wrl, .x3d, .x3dz, .zpr, .dxf, .3mf, .iges [1][2], .step [1][2]

(1)   With Peel 3.CAD only
(2)   With Peel 3 Pro.CAD only

Peel 3D™

CREAFORM / AMETEK®