



Manchester Metrology
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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⁾	Windows 10 (64 bits) ^{(3) (4)}	
Graphics Card ⁽⁵⁾⁽⁶⁾	NVIDIA (6 GB VRAM) OpenGL 4.5 and higher, Compute Capability 6.1	NVIDIA Quadro 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) Windows 10 version 1909 or higher.

(4) .NET Microsoft Framework version: 4.7.2

(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 are supported. Recommended NVIDIA driver version: 465+

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*		
Recommended object size	0.1 - 3.0m		
Accuracy	0.250 mm/m, up to 0.1 mm		
Measurement capabilities			
			
Mesh resolution	0.250 mm		
Scan speed	80 sec/m ²		
Usage distance (from object)	250 to 550 mm		
Projector light source	IR VCSEL		
Scanner controls	Touchscreen		
Color Rresolution (on object)	250 DPI		
Dimensions	304 x 150 x 79 mm		
Weight	950 g		
Connectivity	USB 3.0		
Output formats (peel 3)	.dae, .fbx, .ma, .obj, .ply, .stl, .txt, .wrl, .x3d, .x3dz, .zpr, .iges, .step, .dxf		

*With peel 3.CAD only