

SYSTEM REQUIREMENTS

Marvelous Designer

Mac

Category	Minimum	Recommended
Mac models	Macbook 2012, Macbook Pro 2012 iMac 2012, iMac Pro 2012 Mac Pro 2013, Mac Mini 2018	Intel-chip Macs released after 2018 Apple Silicon Macs: M1, M1 Pro, M1 Max, M1 Ultra, M2
MacOS	Catalina 10.15	Catalina 10.15, Big Sur 11.4, Monterey 12
Processor	Intel® Core-i5 4cores	Intel® Core-i9 or Apple Silicon
Memory	DDR4 8GB	DDR4 32GB or more
Storage	HDD 10GB or more	SSD 20GB or more
Screen	1280x800	Retina 4K, Retina 5K supported
Input devices	3-button mouse	3-button mouse

Windows

Category	Minimum	Recommended
OS	Windows 10 64-bit (1903 or later)	Windows 10 64-bit (21H1 or later) Windows 11 64-bit
Processor	AMD® Ryzen 5 1500X Intel® Core-i5 6400	AMD® Ryzen 7/9 5000 series Intel® Core-i7/i9 11th Gen or later
Memory	DDR4 8GB	DDR4 32GB or more
Graphics card	NVIDIA® GeForce GTX 960 or NVIDIA® Quadro P2200	NVIDIA® RTX 3000 series or NVIDIA® Quadro RTX , RTX A series - At least 8GB of video memory or more for high-res textures - Latest Nvidia Drivers: GRD, Studio, Quadro-ODE
Storage	HDD 10GB or more	SSD 20GB or more
Screen	1920x1080@60Hz	2560x1440@60Hz, 4K supported
Input device	3-button mouse	3-button mouse

SYSTEM REQUIREMENTS

Blender

Minimum

- 64-bit quad core CPU with SSE2 support
- 8 GB RAM
- Full HD display
- Mouse, trackpad or pen+tablet
- Graphics card with 2 GB RAM, OpenGL 4.3
- Less than 10 year old

Recommended

- 64-bit eight core CPU
- 32 GB RAM
- 2560×1440 display
- Three button mouse or pen+tablet
- Graphics card with 8 GB RAM

Supported Graphics Cards

Always make sure to install the latest drivers from the graphics card manufacturer website. These requirements are for basic Blender operation, Cycles rendering using the GPU has higher [requirements](#).

NVIDIA

GeForce 400 and newer, Quadro Tesla GPU architecture and newer, including RTX-based cards, with NVIDIA drivers (list of all [GeForce](#) and [Quadro](#) GPUs)

AMD

GCN 1st gen and newer. Since Blender 2.91, Terascale 2 architecture is fully deprecated, try using 2.90 (albeit not supported, it might still work) [[list of all AMD GPUs](#)]

Intel

Haswell architecture and newer. [[list of all Intel GPUs](#)]

macOS

Version **10.13** or newer for Intel processors on supported hardware. Version **11.0** for Arm-based processors (Apple Silicon).

SYSTEM REQUIREMENTS

Substance Painter

Don't worry too much if Substance Painter causes issues for you, texturing can also be done in Blender/C4D.

Platform	Minimum	Recommended	Optimal
Windows	<ul style="list-style-type: none"> • OS: Windows 10 (64bit, version 1909) • CPU: <ul style="list-style-type: none"> • Intel Core i3 • AMD Ryzen 3 • GPU: <ul style="list-style-type: none"> • Nvidia Geforce GTX 1060 • Nvidia Quadro M2000 • AMD Radeon RX 580 • VRAM: 4GB • RAM: 8GB • Hard drive: 20 GB HDD 	<ul style="list-style-type: none"> • OS: Windows 10 (64bit) • CPU: <ul style="list-style-type: none"> • Intel Core i7 • AMD Ryzen 7 • GPU: <ul style="list-style-type: none"> • Nvidia Geforce RTX 2080 • Nvidia Quadro RTX 4000 • AMD Radeon RX 6700 XT • VRAM: 8GB • RAM: 16GB • Hard drive: 30 GB SSD 	<ul style="list-style-type: none"> • OS: Windows 10 (64bit) • CPU: <ul style="list-style-type: none"> • Intel Core i9 • AMD Ryzen 9 • GPU: <ul style="list-style-type: none"> • Nvidia Geforce RTX 3080 • Nvidia Quadro RTX 6000 • AMD Radeon RX 6800 XT • VRAM: 16GB • RAM: 32GB • Hard drive: 50 GB SSD
Mac OS	<ul style="list-style-type: none"> • Model: MacBook Pro 2019 • OS: Mac OS 10.14 (Mojave) • CPU: <ul style="list-style-type: none"> • Intel Core i7 • GPU: <ul style="list-style-type: none"> • AMD Radeon Pro 5300M • RAM: 8GB • Hard drive: 10 GB HDD 	<ul style="list-style-type: none"> • Model: <ul style="list-style-type: none"> • MacBook Pro 2020 • iMac Pro 2020 • OS: Mac OS 11 (Big Sur) • CPU: <ul style="list-style-type: none"> • Intel Core i9 • GPU: <ul style="list-style-type: none"> • AMD Radeon Pro 5600M • AMD Radeon Pro Vega 56 • RAM: 16GB • Hard drive: 25 GB SSD 	<ul style="list-style-type: none"> • Model: Mac Pro • OS: Mac OS 11 (Big Sur) • CPU: <ul style="list-style-type: none"> • Intel Xeon W9 • GPU: <ul style="list-style-type: none"> • AMD Radeon Pro W5700X • RAM: 32GB • Hard drive: 50 GB SSD