Latest update: 09/2023

Components	Recommendation	Comments
Processor	Intel Core architecture from i5 8. of the 8th generation, AMD Ryzen architecture from Ryzen 2000	The current SEMA program works best with a 8 core / 16 threads CPU configuration with a high single-core performance. The high end Intel CPU (series X), the server platform (series XEON) as well as the AMD threadripper platform do not offer more performance for the use of the SEMA program.
Memory	8 GB minimum, for major projects 32 GB or higher	The capacity of the main memory also contributes to a large extend to the speed of the program. For larger projects we recommend a higher memory capacity.
Hard disk	256 GB SSD minimum or, even better, M.2 NVMe hard disks	The current installation of the SEMA program needs a hard disk memory of approx. 4.5 GB. ATTENTION: A slow hard disk or a slow connection to the computer may slow down the work.
Operating system	Microsoft Windows 11 or Microsoft Windows 10 from 20H2, 64-Bit version	A full Windows version is required for the SEMA program, Windows RT or Windows on ARM are not supported. Other operating systems such as Apple macOS or Linux are also not supported.
Graphics card	Nvidia GeForce GTX 10XX/16XX or as of GeForce RTX 20XX and higher with 4GB RAM minimum and the Game Ready Driver	A graphics card with OpenGL 3.3 or higher is required. Graphics cards that do not belong to the GeForce series (gaming graphics cards), such as RTX A****, do not offer any performance benefit in the SEMA program.
Monitor	Full-HD Monitor (1920 x 1080 Pixel) minimum, or, even better, 4K monitor (3820 x 2160 pixels)	For everyone who works a lot on the computer, a high-quality/flat-panel monitor is a very sensible investment. A two screen solution has a big impact on productivity. The SEMA program allows the transfer of certain program functions from the main CAD monitor to a second monitor.
Interfaces	USB 2.0 or USB 3.0	--
Internet connection	Required	--
Mouse and keyboard	2-button mouse minimum (left/right + scroll wheel) and keyboard with number pad	Special gaming keyboards often offer the option to store macros. Special, often used tasks can be allocated to specific keys which makes your work a lot more efficient.
Printer/Plotter	Colour laser printer or ink jet printer and/or continuous plotters with 1:1 output	It would be good to have at least one colour device. How well the printer/plotter works does not only depend on the device itself but also on the driver and the paper. Please note the recommendations in the manual.