

System Requirements for Cadmould Flex

Cadmould Flex uses the highly efficient 3D-F simulation algorithm and scales well on modern hardware.

OPERATING SYSTEM & SOFTWARE

Component	Recommended – Local	Recommended – On-Prem Server
Operating System	Windows 11 (64-bit)	Windows 11 / Windows Server 22 or later (64-bit)
Browser	Edge, Chrome or Firefox	For reports (client-side)
Microsoft Office	Office with COM interface	Office with COM interface

HARDWARE

Component	Recommended – Local	Recommended – On-Prem Server
Processor (CPU)	Multi-core CPU ≥ 4 GHz Min. 8 cores, e.g. AMD Ryzen 9000, Intel Core Ultra 200S	Multi-core CPU ≥ 4 GHz Min. 16+ cores, e.g. AMD EPYC 9005, Intel Xeon 6
Memory (RAM)	16 GB or more (32 GB for large projects)	64 GB or more (128 GB for many parallel jobs)
Graphics Card (GPU)	Dedicated GPU ≥ 8 GB VRAM, NVIDIA recommended	Not required (solver-only operation)
Storage	≥ 1 TB SSD (NVMe recommended)	≥ 1 TB SSD, NVMe + RAID recommended

NOTES FOR DEMANDING PROJECTS

Recommendations for demanding projects (fine meshes, T-Box).

Component	Recommendation
CPU	Single-thread clock speed is the decisive factor.
RAM	Plan for 5–10 GB per simulation, as insufficient memory significantly slows down calculations.
GPU	Min. 8 GB VRAM, NVIDIA recommended, dedicated GPU required.
SSD	NVMe SSD recommended for large file access.

MINIMUM REQUIREMENTS / RUNS FROM

Covers the minimum technical requirements for installation and operation. For productive day-to-day work with smooth operation and fast processing times, we recommend the configuration on page 1.

Component	Minimum Requirement
Operating System	Windows 10 or 11 (64-bit)
Processor (CPU)	64-bit Intel or AMD processor
Memory (RAM)	Starting from 4 GB RAM
Graphics Card (GPU)	≥ 1 GB VRAM, OpenGL-capable
Storage	≥ 500 GB

WHEN IS THE RECOMMENDED SETUP NO LONGER SUFFICIENT?

As project complexity increases - for example through finer meshes, larger or multi-part geometries, T-Box simulations or many variants running in parallel - the demand for computing power, memory and data throughput rises significantly. Anyone regularly working on such projects benefits from the values under “Notes for Demanding Projects”.

When in doubt, a brief assessment by our team helps you find the right hardware for your specific use case.

Built by engineers, for engineers who build.