

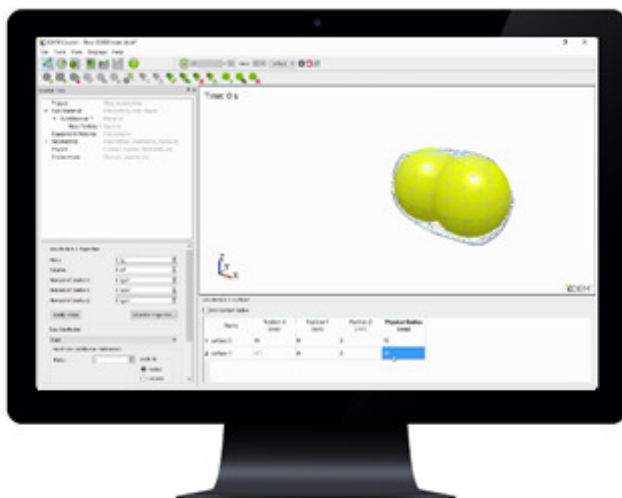
## Components

EDEM software is made of 3 core components: **EDEM Creator**, **Simulator** and **Analyst**.

### EDEM Creator

EDEM Creator is the pre-processor for setting up an EDEM simulation model.

- Setup simulations in a fast, logical manner with EDEM's intuitive and user friendly interface
- Import equipment geometry from a wide range of CAD files (IGES, STL, STEP and more)
- Assign equipment motion (linear, rotational, sinusoidal and more)
- Model real world particle shapes using the validated and highly versatile multi-sphere method
- Select contact physics models, define material properties or add a material model straight from the [GEMM database](http://www.edemsimulation.com/gemm/)  
(<http://www.edemsimulation.com/gemm/>)

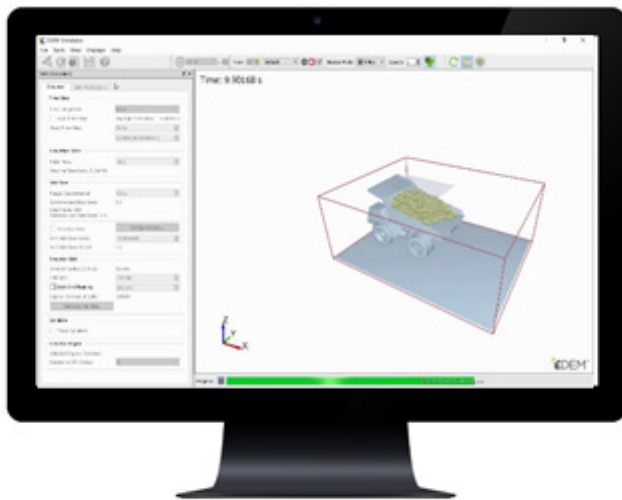


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## EDEM Simulator

EDEM Simulator is a powerful solver for fast and efficient simulations.

- Cutting edge DEM solver, highly parallelized for use in multi-core shared memory workstations
- [GPU solver engine](http://www.edemsimulation.com/blog/simulate-faster-new-edem-gpu-solver/)  
(<http://www.edemsimulation.com/blog/simulate-faster-new-edem-gpu-solver/>)
- Simulate large and complex particle systems
- Start and stop simulations at any time to easily review progress and assess design performance

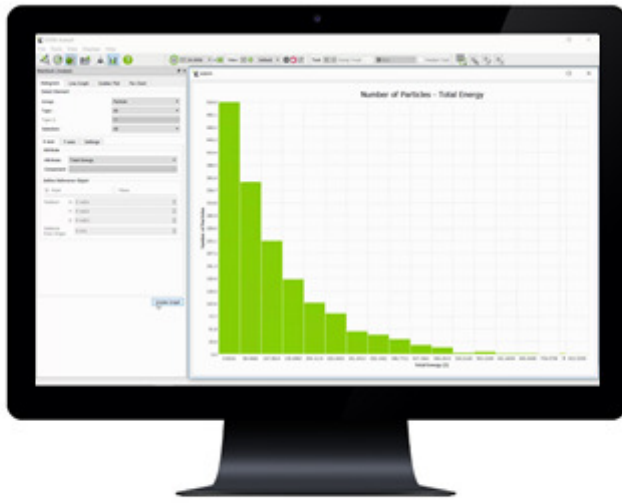


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## EDEM Analyst

EDEM Analyst is the post-processing environment where simulations are reviewed and analyzed.

- Advanced and powerful post-processing capability
- Extensive set of tools for visualization and analysis (coloring, graphing, bin groups)
- Create high resolution images and videos
- Data mining: option to export all simulation results data in .csv format as well as an EnSight file for advanced visualization



To purchase EDEM or find out more about this software.

TALK TO OUR TEAM

[\(HTTPS://WWW.EDEMSIMULATION.COM/CONTACT/\)](https://www.edemsimulation.com/contact/)

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