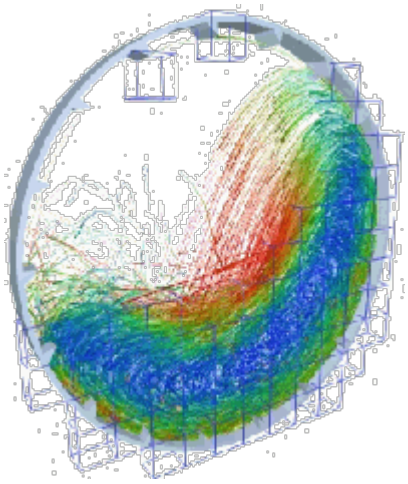
DEM (Discrete Element Method) Software for modeling and simulation

Discrete Element Method (DEM) simulation is transforming the business of designing and optimizing equipment for the handling and processing of bulk materials.

When used properly, DEM simulation gives you key design information on bulk solid material flow behavior that is very difficult, or even impossible to get using standard test methods or other methods of engineering simulation.

Reduce Prototyping and Testing Costs and Maximize Productivity

EDEM provides the key functionality and performance that customers need to realize maximum productivity benefits from engineering simulation across product design and production processes. Top tier companies in Mining, Energy & Power, Process Manufacturing, and Discrete Manufacturing, and leading Academic Research institutes around the globe are generating substantial returns on their investment in EDEM software



EDEM simulation of a ball mill, showing vectors colored by velocity and data analysis bins that can rotate with the mill

EDEM Components and Extended Capability

The EDEM software platform, powered by state-of-the-art DEM technology, consists of three core components: **EDEM Creator**, **EDEM Simulator**, and **EDEM Analyst**.

DEM Solutions also offers optional extended capability with four EDEM add-on modules: the **EDEM Applications Programming Interface (API)**, the **Field Data Coupling**, the **EDEM CFD Coupling Interface,** and the **EDEM Multibody Dynamics Coupling Interface.**