

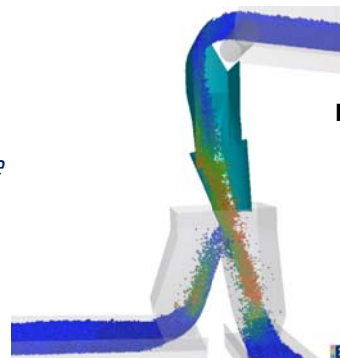
EDEM - the most advanced off-the-shelf DEM simulation software on the market

EDEM particle dynamics simulation software is being used in particle-related research at academic institutions around the world

EDEM provides a platform for the development of models that simulate the behavior of particle systems -- including particle-particle, particle-fluid, particle-structure and particle-electromagnetic interactions.

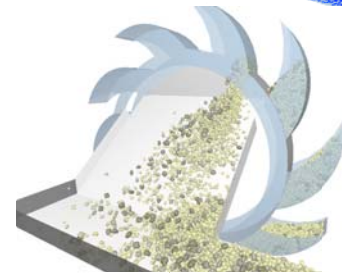
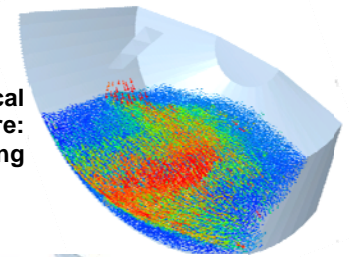
With applications in a wide range of disciplines, EDEM has been integrated into research programs as varied as civil, geotechnical, mechanical, mining, mineral processing, chemical, biochemical, pharmaceutical, food processing, and agricultural science and engineering.

Industry's rapid adoption of EDEM for the design and analysis of particle handling, processing, and manufacturing operations can be seen in almost every industry sector.

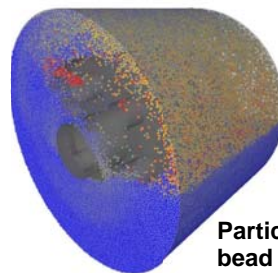


**Bulk materials handling:
conveyor transfer point**

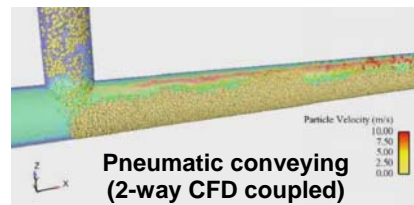
**Pharmaceutical
manufacture:
tablet coating**



**Bulk materials handling:
bucket wheel reclaimer**



**Particle comminution:
bead milling**



**Pneumatic conveying
(2-way CFD coupled)**



**Hydrocyclone
(1-way CFD coupled)**

EAPP Benefits

- Full version of EDEM
- EDEM API for developing custom contact models and multiphysics solutions
- Add-on CAD and physics modules
- Networking & knowledge sharing opportunities
- Connect with other academic & industrial EDEM Users worldwide

EDEM Academic Partner Program (EAPP) offers members a fully featured version of EDEM --with the added bonus of extensive extra capability in add-on modules bundled with the EDEM API, all at a substantial discount to full commercial price.

The API enables you to customize the particle properties, the contact physics and particle initialization using C/C++ programming – providing a very flexible and extensible environment to address your research needs.

DEM Solutions recognizes that those in academia are the engineers of the future and must be equipped with the same leading DEM simulation tools used in industry

With EDEM, you and your research staff and students immediately have access to the latest DEM technology-- without having to develop and maintain an in-house DEM code.

For EAPP details, contact our Academic Program Manager at:
academic@dem-solutions.com