

Particleworks is a CFD software based on an advanced numerical method known as the Moving Particle Simulation (MPS) method

Particleworks provides direct file import from CAD software to reduce costs associated with mesh generation that is required for conventional CFD software

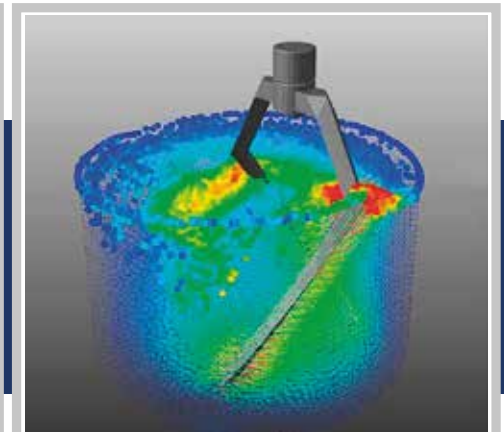
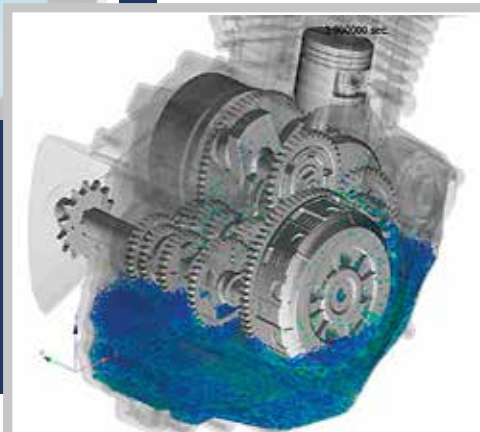
Particleworks enables engineers to model and simulate large-scale problems related to free surface flows integrated with interactions such as fluid-rigid or fluid-powder, dealing with complex boundary geometries

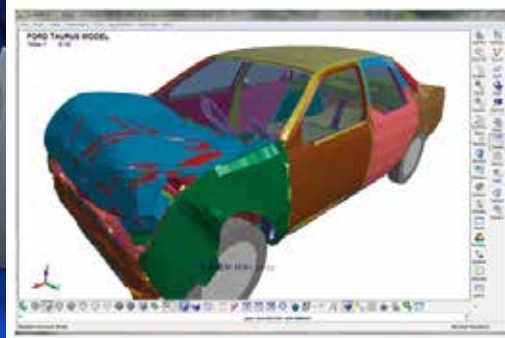
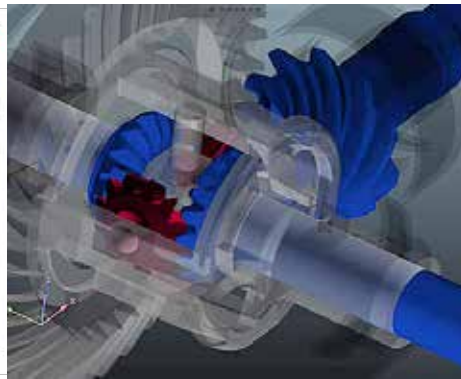
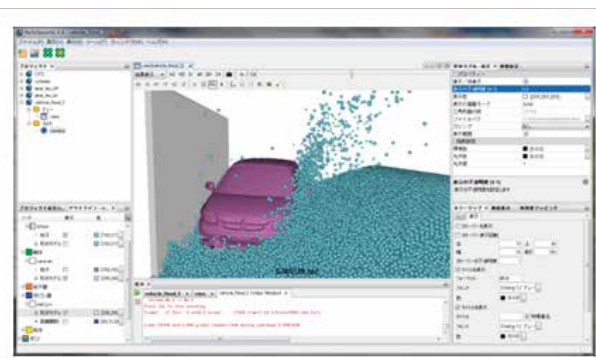
PRODUCT FEATURES

- ✓ MPS based simulation
- ✓ Mesh-free particle method
- ✓ Free surface Flow
- ✓ Fluid / powder / rigid body coupling
- ✓ Moving Boundary problems
- ✓ Mixing and Chemical reactions
- ✓ Multi-core CPU and GPU computing
- ✓ Working with 3rd party software

KEY BENEFITS

- ✓ Mesh-free particle method
- ✓ High accuracy of free surface flow
- ✓ Flexible boundary conditions
- ✓ Flexible fluid-powder / fluid-rigid body integration
- ✓ Modularity of chemical reactions and mixing





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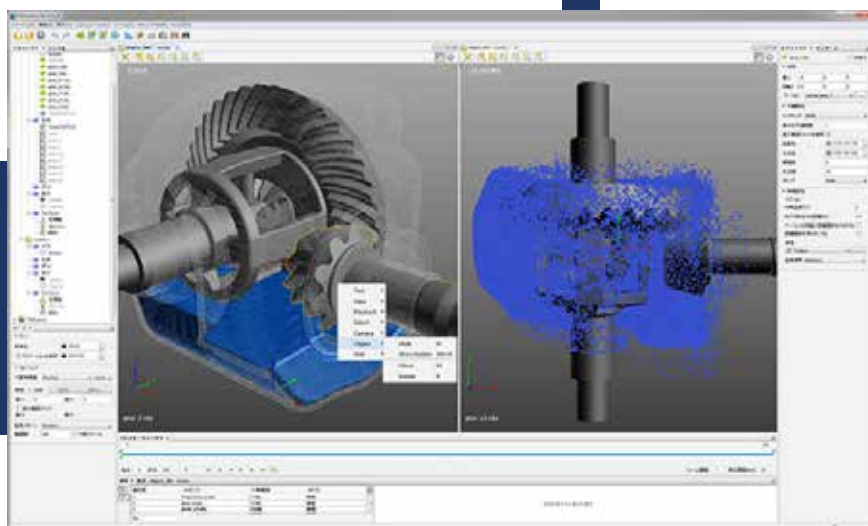
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EnginSoft is an engineering consultancy company with specific expertise in Process Simulation and Optimization, specialized in engineering analysis supporting the whole design chain.

EnginSoft is comprised of groups of highly qualified engineers, with expertise in a variety of engineering simulation technologies including FEM Analysis and CFD, working in synergic companies across the globe. We are present in Italy, France, Germany, the UK, Sweden, Turkey and the U.S.A. and have a close partnership with synergetic companies located in Greece, Spain, Israel, Portugal, Brazil, Japan, the U.S.A.

EnginSoft was chosen by major international editors to distribute their software in Europe.

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