EnginSoft is a premier consulting firm in the field of Simulation Based Engineering Science (SBES) with a global presence. It was founded in 1984, but its founder and initial employees had been working in SBES since the mid ’70s. Throughout its long history it has been at the forefront of technological innovation and remains a catalyst for change in the way SBES and CAE technologies in general are applied to solve even the most complex industrial problems with a high degree of reliability.

Today, 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, Turkey and the U.S.A. and have a close partnership with synergetic companies located in Greece, Spain, Israel, Portugal, Brazil, Japan and the U.S.A.

EnginSoft works across a broad range of industries that include the automotive, aerospace, defense, energy, civil engineering, consumer goods and biomechanics industries to help them get the most out of existing engineering simulation technologies.

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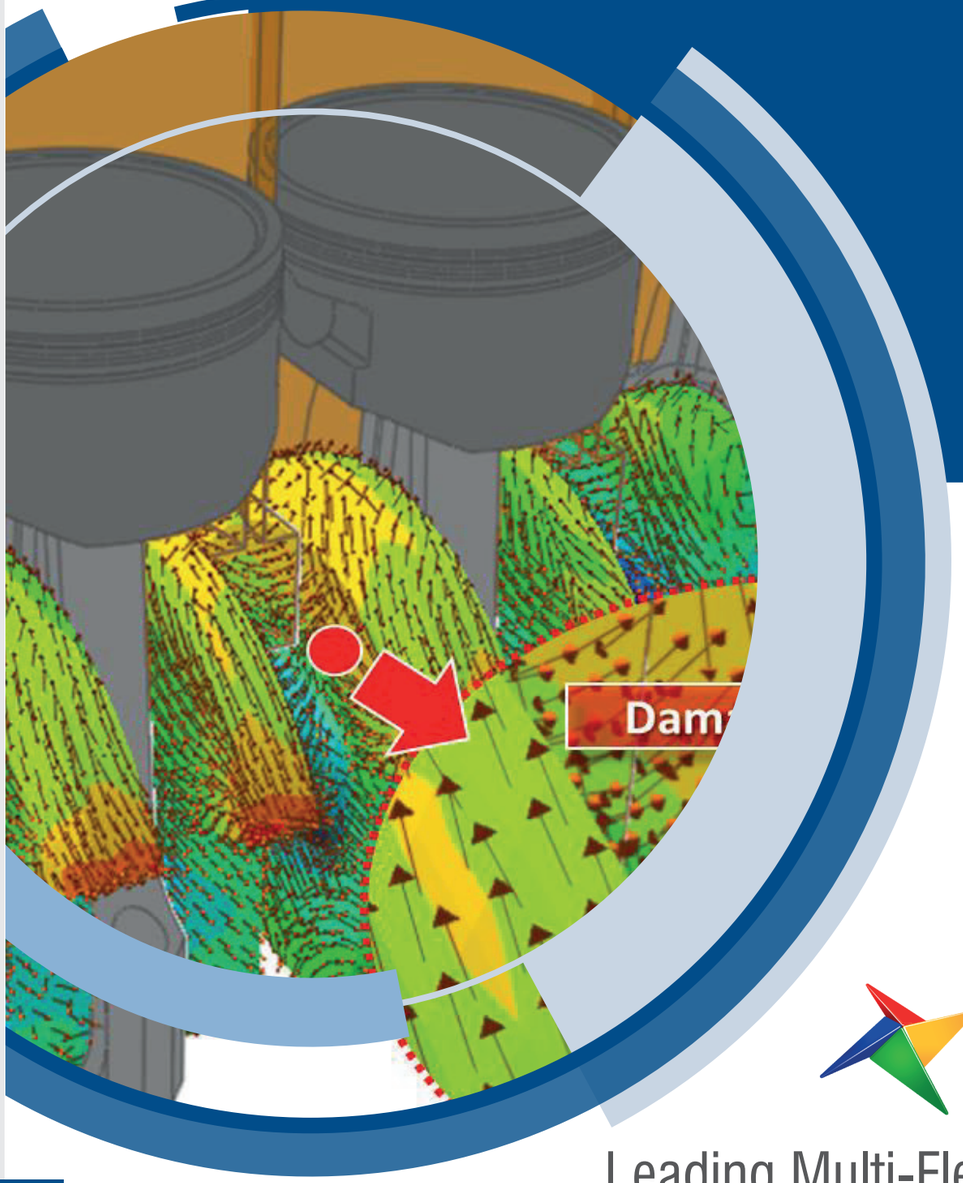
DATA SHEET



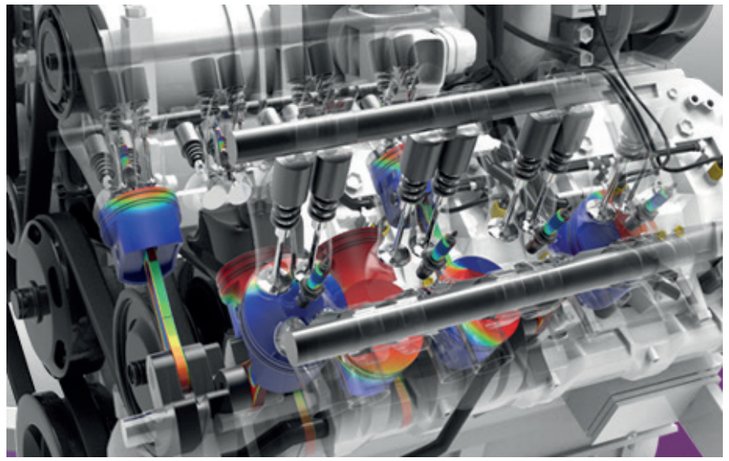
RECURDYN

Leading Multi-Flexible-Body Dynamics Simulation Software

RecurDyn is a leading Multi-Flexible-Body Dynamics (MFBD) simulation software.

It delivers an intuitive interface, an optimized and robust solver, a premium contact technology, and multiple options to handle flexibility of bodies all in a single package.

While RecurDyn handles standard multi-body problems easily, the power of the tool really becomes evident when approaching large-scale, highly non-linear models.



Recurdyn is a product of

FunctionBay

Leading Multi-Flexible-Body Dynamics Simulation Software

RecurDyn features a native Windows-based User Interface, which gives access to all functionalities through mouse and graphics.

The proprietary solver is optimized to be effective for a wide range of problems, from low to high frequency (and combinations thereof). In addition, RecurDyn has an internal programming environment, which enables users to automate tasks and create customized embedded applications

Analysis Options

- ✔ Rigid and Flexible Multi-Body Dynamics
- ✔ Kinematic Analysis and Motion Design
- ✔ Parametric Study (DOE and Sensitivity Analysis)
- ✔ Eigenvalue Analysis for Stability Checks

Key Features

- ✔ Infinite options for both analytical and mesh-based contacts
- ✔ Reduced Flex technology to handle linear flexibility
- ✔ Full Flex technology to allow large deformations and contacts
- ✔ Internal mesher and FE solver for Component Mode Synthesis
- ✔ Library of linear / non-linear material models
- ✔ Enhanced and optimized hybrid solver

Communicators

- ✔ Simulink interface for co-simulation with control systems
- ✔ Particleworks interface for co-simulation with incompressible fluids
- ✔ EDEM interface for co-simulation with bulk materials
- ✔ KissSoft interface for advanced simulation of gears
- ✔ MF-Tire, Swift-Tire and TMeasy tire interfaces
- ✔ FMI support

Automated Modeling (Toolkits)

- ✔ Media transportation systems (2D and 3D)
- ✔ Machinery (guides and drivers)
- ✔ Transmissions (chains, belts, and gears)
- ✔ Components (springs, lash adjusters, EHD and roller bearings)
- ✔ Tracked vehicles (low and hight mobility)
- ✔ Time signal generator (virtual testing of vehicles)
- ✔ Internal Combustion Engine (from crankshaft to multi-cylinders)
- ✔ Drivelines

Customization

- ✔ VB / C# macro programming environment
- ✔ eTemplate language