

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 synergistic companies across the globe. It is present in Italy, France, Germany, the UK, Sweden, Turkey and the U.S.A. and has a close partnership with synergistic 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, also helping them to get the most out of their existing engineering simulation technologies.



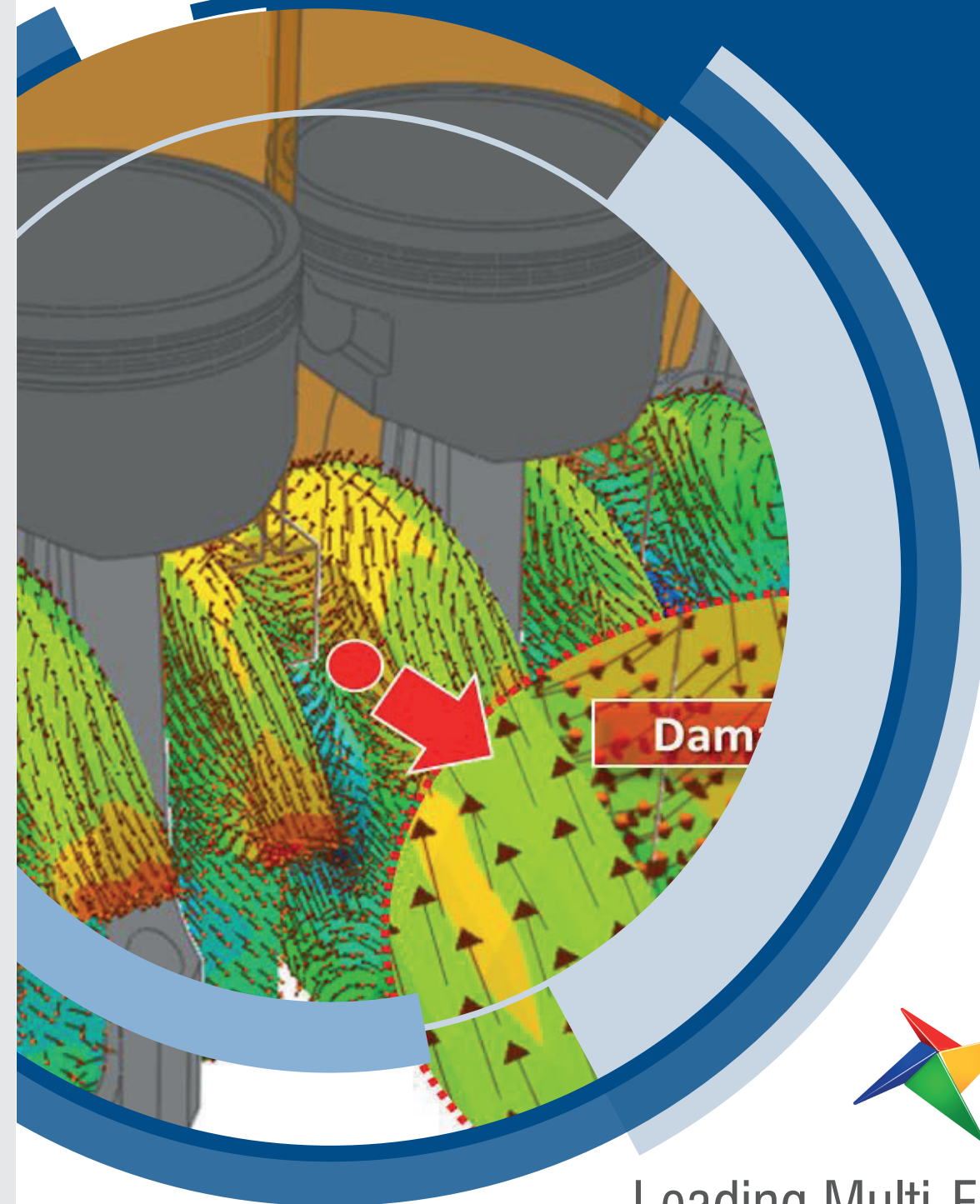
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DATA SHEET



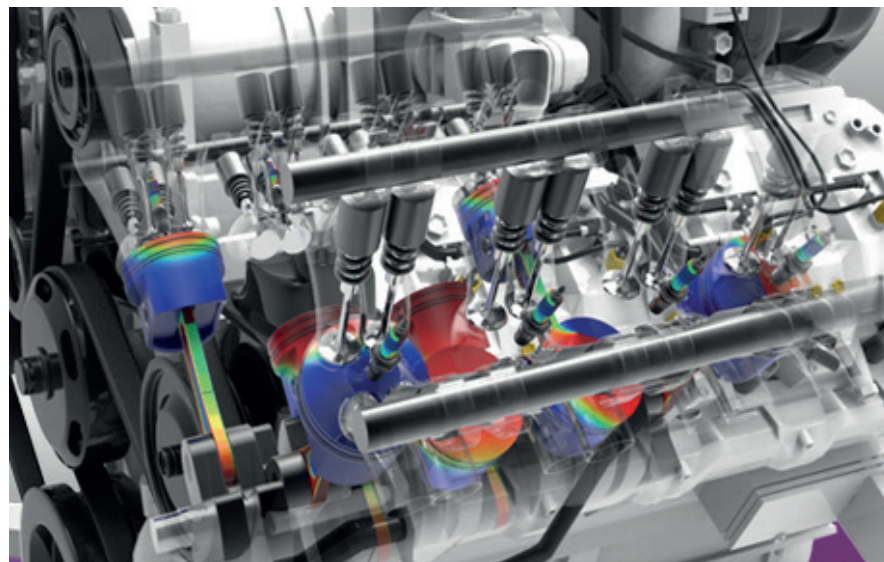
RECURDYN

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



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

Flexibility Features

- ✓ Reduced Flex technology to handle linear flexibility
- ✓ Full Flex technology to handle large deformations and contacts
- ✓ Internal mesher and FE engine for Component Mode Synthesis
- ✓ Wide element and material libraries

Communicators

- ✓ Simulink, FMI and Amesim interfaces for real co-simulation of mechanics and 1D control systems / hydraulics models
- ✓ Particleworks interface for real co-simulation of mechanics and 3D CFD (the only MBD software with this capability)
- ✓ KissSoft interface for advanced simulation of gears
- ✓ MF-Tire and Swift-Tire interfaces

Modeling Assistance (Toolkits)

- ✓ Media transportation systems (2D and 3D)
- ✓ Machinery (guides and drivers)
- ✓ Transmissions (chains, belts, gears)
- ✓ Components (multi-mass springs, lash adjuster)
- ✓ Tracked vehicles