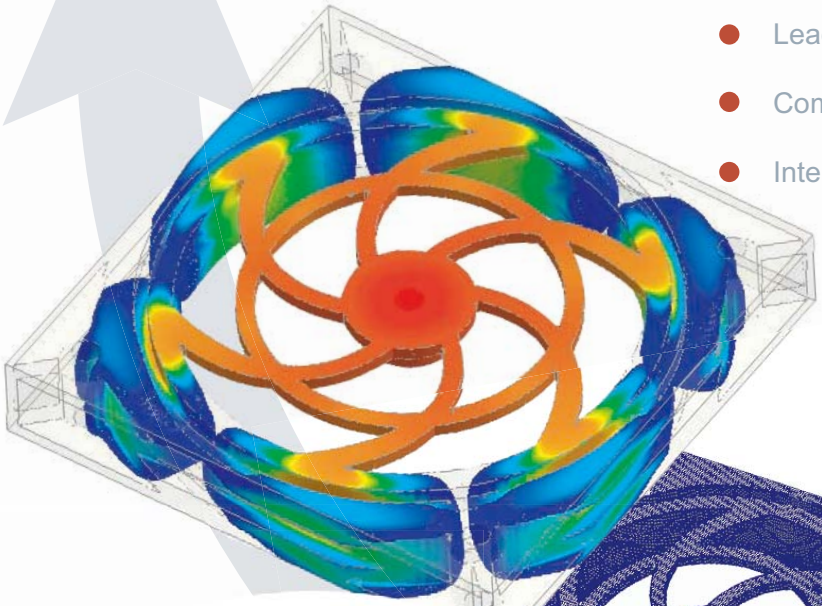
eDesign

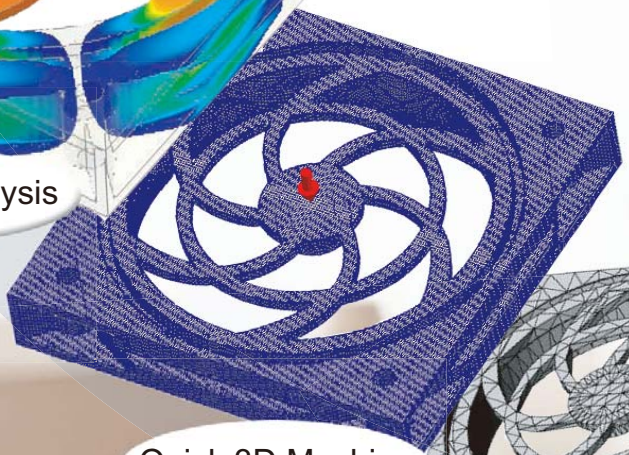
Moldex3D®
True 3D CAE for Injection Molding

Just in easy steps, from Geometry to 3D Analysis Results

- Directly from 3D CAD model to 3D solid mesh
- Quick and intelligent hybrid meshing engine
- Leading-edge 3D analysis technology
- Comprehensive simulation capabilities
- Interactive result displays



True 3D Analysis



Quick 3D Meshing

CAD STL Model

- √ Project
- √ Designer
- √ Flow
- √ Pack
- √ Cool
- √ Warp
- √ Fiber
- √ RIM
- √ Parallel Computing
- √ Floating License

www.moldex3d.com

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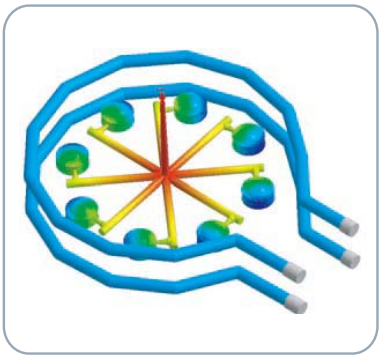
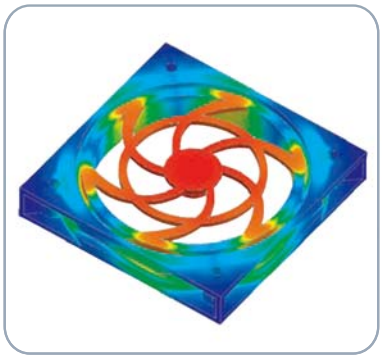


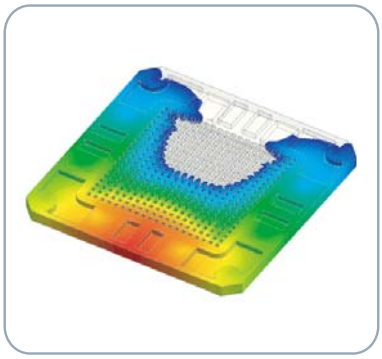
Cross generation true 3D technology provides the best tool to verify products quickly and iteratively

The Moldex3D/eDesign is the cross generation true 3D technology, which can not only satisfy the demands of designers, such as fast verifying, deep analyzing, and problems solving, but also check the manufacturability of injection molded plastic part design. With intelligent hybrid meshing engine and best-in-class 3D analysis technology, users can work directly through solid CAD model to true 3D simulations and reduce mass working-hours in mesh process. Work-flow hint windows minimize the efforts in training and learning. Interactive result display helps users to quickly check and optimize design.

Moldex3D/eDesign is equipped with the same 3D analysis technology as Moldex3D/Solid. Based on this technology, you can perform true 3D simulations on very thick parts as well as those that have extreme changes from thin to thick. Besides, Moldex3D/eDesign has been developed with parallel computing technology in mind, too. With high-performance parallelized computing kernel, users can perform analyses in much less time on complex models than ever.



Moldex3D/eDesign is able to fulfill complete analyses for thermoplastic injection molding, including the plastics filling and packing, mold cooling, fiber orientation, and part warpage. It allows users to simulate plastic flow through cavity, optimize gate locations, prevent short shot and weld lines, evaluate cooling circuit design, minimize cycle time, reduce warpage, etc. Besides, Moldex3D/eDesign's optional module simulates reactive injection molding (RIM).



Model file import supported		**Authorization**	
STL file (*.stl)	√	Hardware Lock	√
Rhino 3D model (*.3dm)	√	Network Floating	√
Mesh generation supported		**Project manager & post-processors**	
Hybrid Mesh	√	Project	√
Analysis modules		Material Wizard	√
3D Flow	√	Process Wizard	√
3D Pack	√	**Supported language**	
3D Cool	√	English	√
3D Warp	√	Chinese	√
3D Fiber	√	Spanish	√
3D RIM	√	Japanese	√
Parallel Computing	√	Korean	√
Pre-processors			
Designer	√		

System requirements

* Microsoft Windows XP Professional, Windows XP x64 or Windows 2000 ◦
* Intel Pentium, Intel Xeon, Intel EM64T, AMD Athlon, or AMD Opteron based processor ◦
* 1 GB RAM or greater ◦

CORETECH

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