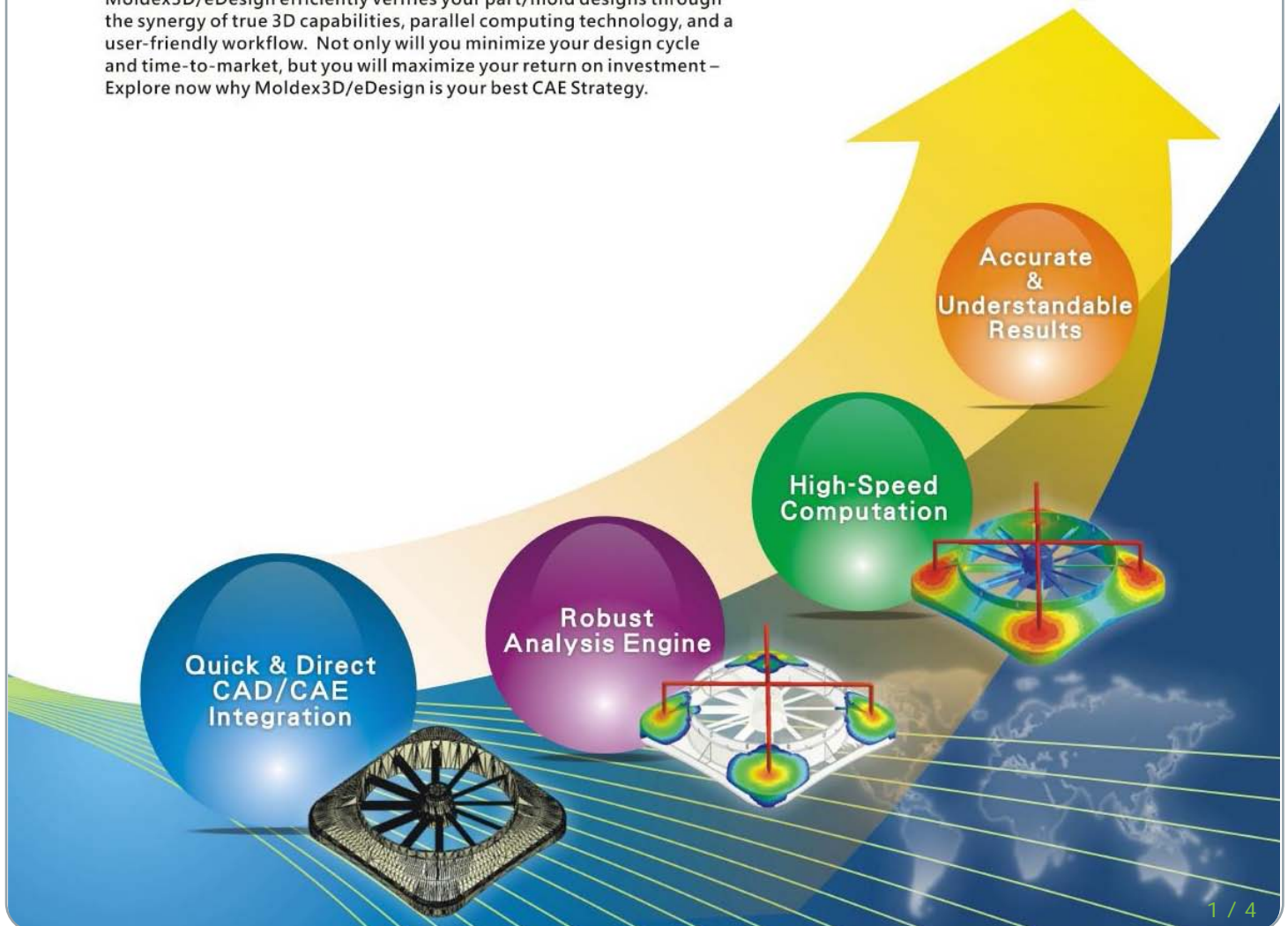


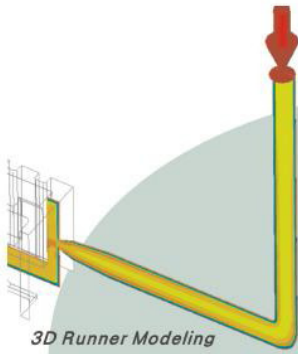
Moldex3D[®]
True 3D CAE for Injection Molding

eDesign

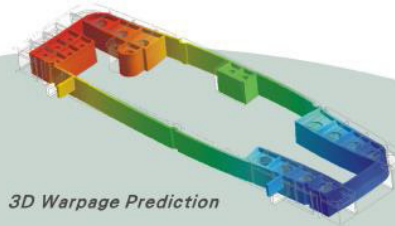
Ensure Your Design

Moldex3D/eDesign efficiently verifies your part/mold designs through the synergy of true 3D capabilities, parallel computing technology, and a user-friendly workflow. Not only will you minimize your design cycle and time-to-market, but you will maximize your return on investment – Explore now why Moldex3D/eDesign is your best CAE Strategy.

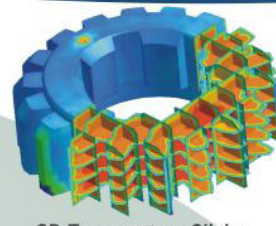




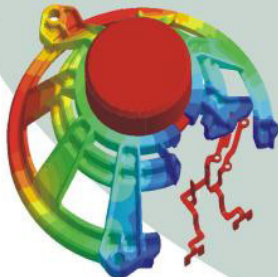
3D Runner Modeling



3D Warpage Prediction



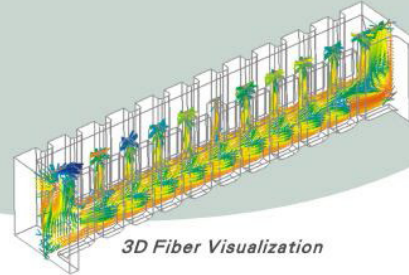
3D Temperature Slicing



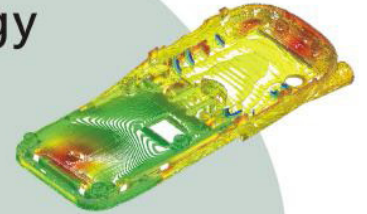
3D Meltfront Visualization



3D Shrinkage Display



3D Fiber Visualization

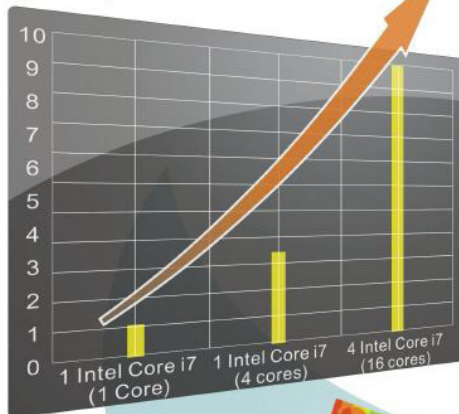


3D Pressure Iso-Surface Display

Pioneering 3D Technology

Although inaccurate results can occur with the "2D + thickness" approach used by others, Moldex3D/eDesign provides reliable results as the first 3D simulation package customized for part/mold design teams. Equipped with a pioneering 3D kernel and meshing engine, you can be confident with the results of your design studies using Moldex3D/eDesign.

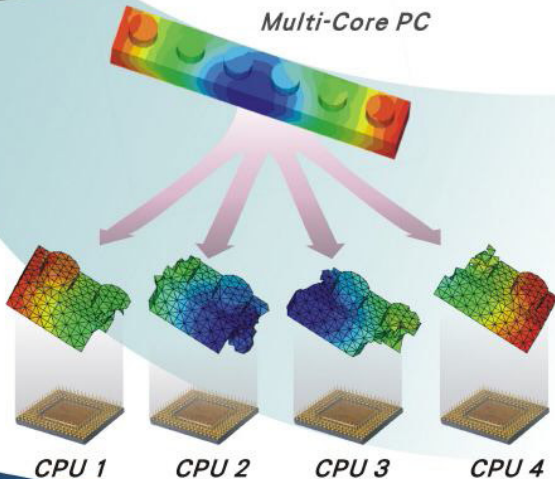
Speed-Up Ratio



Parallel Computing

Time-to-market has never been so critical in global competition. The parallel computing technology of Moldex3D/eDesign not only dramatically enhances the calculation performance, but also saves your time—a reliable 3D analysis can be done during a coffee break!

Multi-Core PC



CPU 1

CPU 2

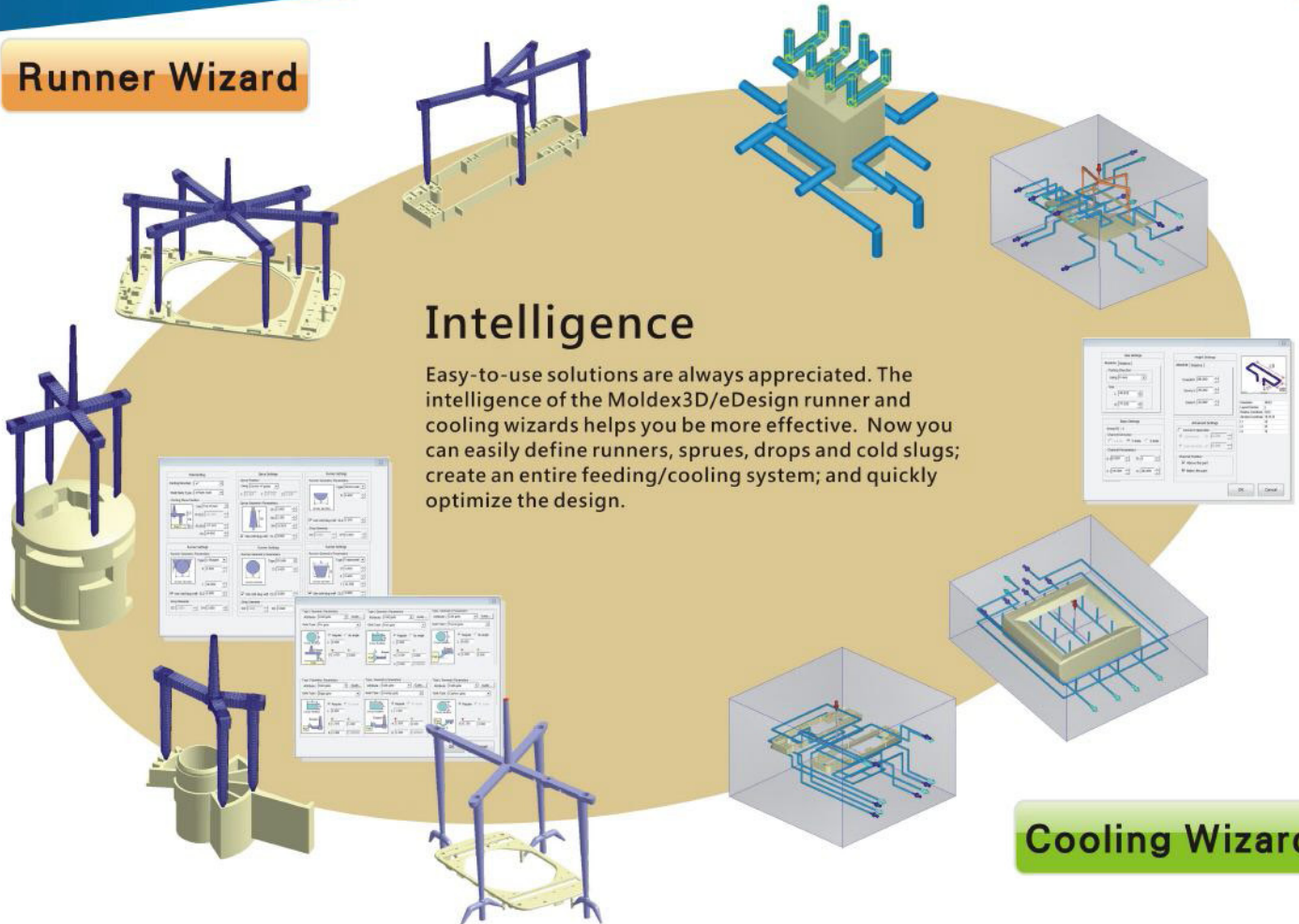
CPU 3

CPU 4



Cluster System

Runner Wizard



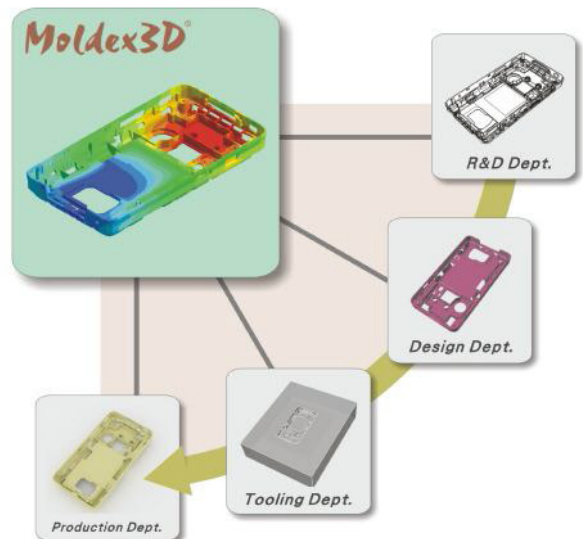
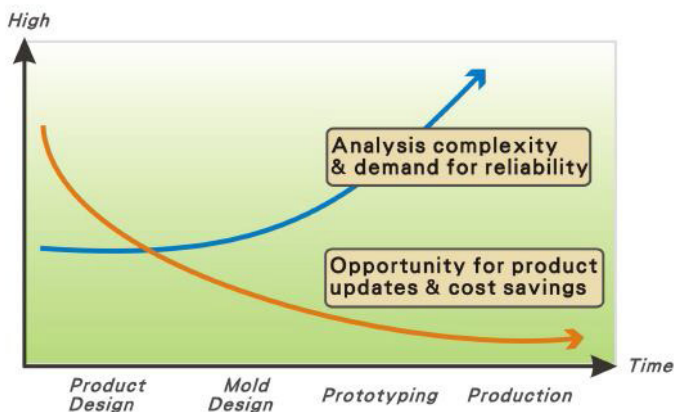
Intelligence

Easy-to-use solutions are always appreciated. The intelligence of the Moldex3D/eDesign runner and cooling wizards helps you be more effective. Now you can easily define runners, sprues, drops and cold slugs; create an entire feeding/cooling system; and quickly optimize the design.

Cooling Wizard

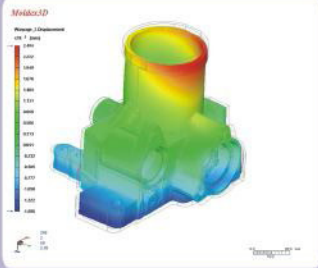
Flexibility

Fed up with the high costs of mold trials or the incomplete design resulted from unexpected compromise with manufacturability? Moldex3D/eDesign, as a professional advisory tool for part/mold design, provides the opportunity to cost-effectively explore many potential revisions to improve design during any point in the development cycle.

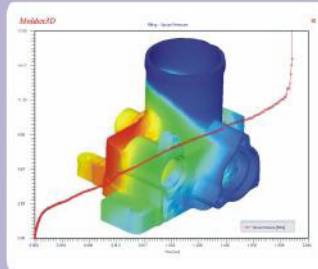


Teamwork

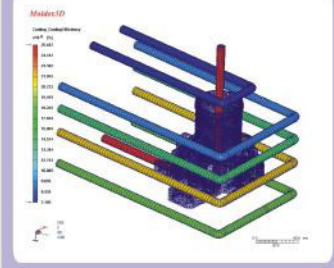
From concept generation through CAD design, tooling and production, the collective intelligence of your key personnel is enhanced by the seamless communication supported by Moldex3D/eDesign. The flexible licensing, user-friendly workflow and approachable interface all make Moldex3D/eDesign a highly-efficient platform for cross-department collaboration and confident decision making.



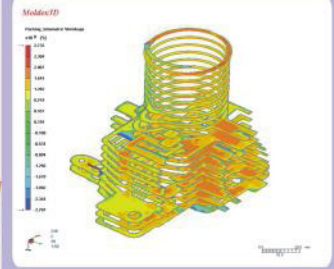
Warp
Display and analyze...
 -Part deflection
 -Flatness
 -Deformation plots for specific dimensions
 -Deformed model output in STL
 -Influence of fiber orientation (Additional module required)
 ...etc.



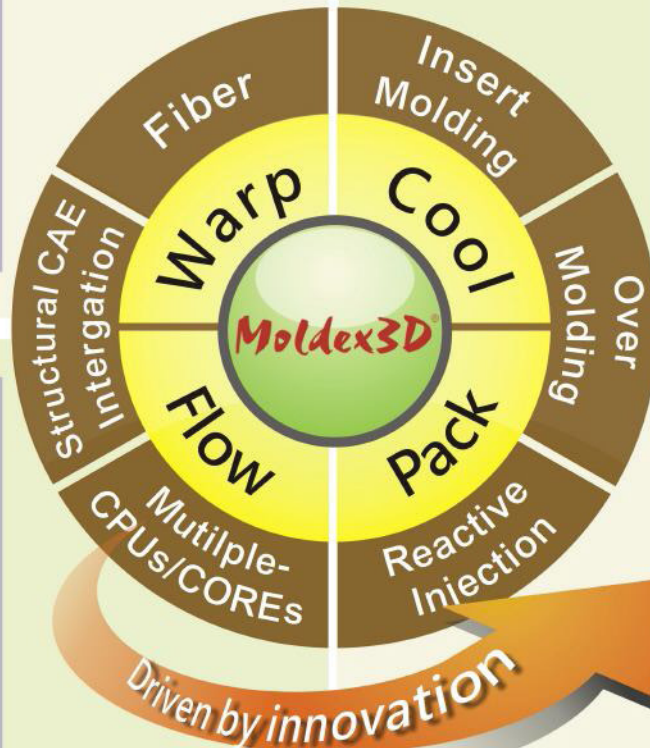
Flow
Display and analyze...
 -3D melt front pattern
 -Welding line / air trap location
 -Inj. Pressure / clamping force to fill
 -Pressure/temperature distribution
 -Gate flow rate (single/multiple cavities)
 -Shear rate, velocity and stress
 -Influence of fiber orientation (Additional module required)
 ...etc.



Cool
Display and analyze...
 -3D temperature distribution
 -Hot spot area
 -Required cooling time
 -Cooling channel efficiency
 -Heat flux
 ...etc.



Pack
Display and analyze...
 -3D shrinkage display
 -Pressure/temperature distribution
 -Clamping force
 -Shear rate, velocity and stress
 -Density
 -Part weight (single/multiple cavities)
 -Gate freeze time
 ...etc.



System Requirements

- Microsoft Windows Vista, Windows XP Professional, Windows XP x64, Windows Server 2008
- Intel Core i7 Series, Intel Xeon, Intel EM64T, AMD Athlon, or AMD Opteron-based processor
- 8 GB RAM or greater

Moldex3D®

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