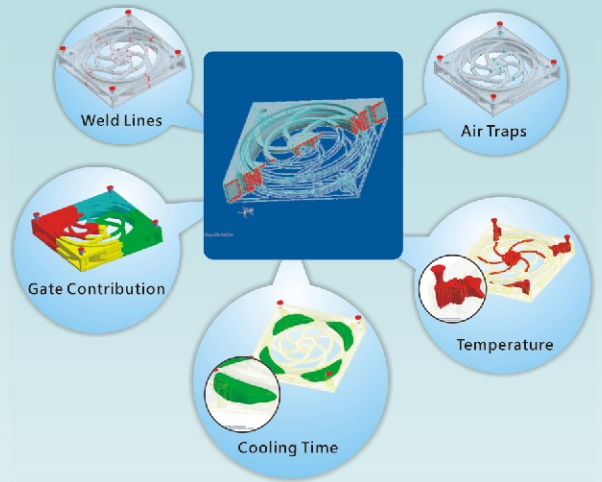


Moldex3D eXplorer for Pro/ENGINEER

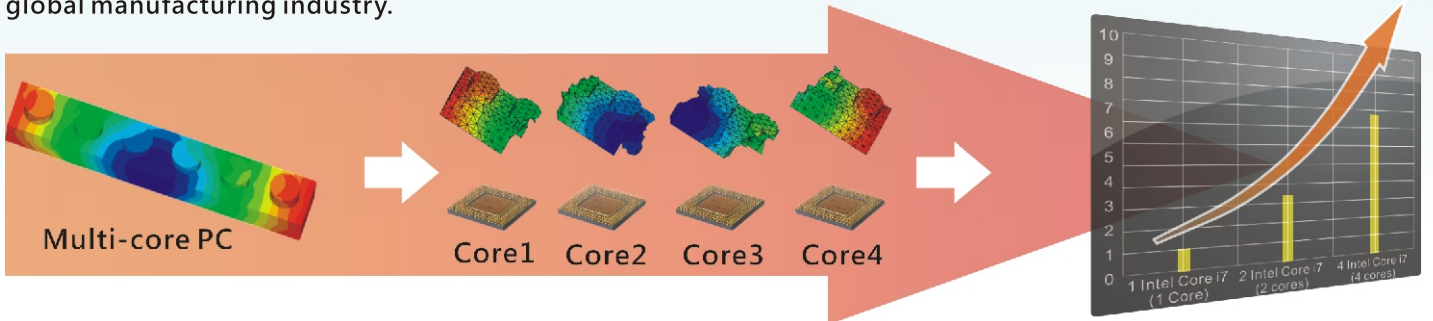
Design in 3D, Analyze in 3D

Through Moldex3D eXplorer for Pro/ENGINEER professional computation kernel, users can perceive various phenomena inside the cavity after finishing 3D CAD design. For example, you can set up multiple gate locations to balance flow and reduce filling pressure, at the same time check the possible weld line and air trap locations in the early design phase.



First Parallelized Molding CAE on Pro/ENGINEER

Moldex3D eXplorer for Pro/ENGINEER can fully utilize your CPU power! It supports parallel computing up to 4 cores. A typical Moldex3D eXplorer for Pro/ENGINEER simulation takes only a few minutes. It can really help part designers and mold designers to collaborate seamlessly and efficiently in the highly competitive global manufacturing industry.



Automatic 3D Mesh Preparation

Designers do not have to spend time on the tedious meshing jobs. Moldex3D eXplorer for Pro/ENGINEER automatically generates true 3D solid mesh and at the same time users can learn injection molding knowledge through eXplorer.

This block shows the software interface and simulation results. On the left is a screenshot of the 'Injection machine' window in Moldex3D, showing a 3D model of an injection molding machine and a 'Specific Volume' graph. In the center and right are 3D models of a plastic part: a solid blue mesh, a semi-transparent mesh showing internal flow, and a color-coded analysis map. A 3D model of the injection molding machine is also shown at the bottom right.

Why Moldex3D eXplorer for Pro/ENGINEER ?

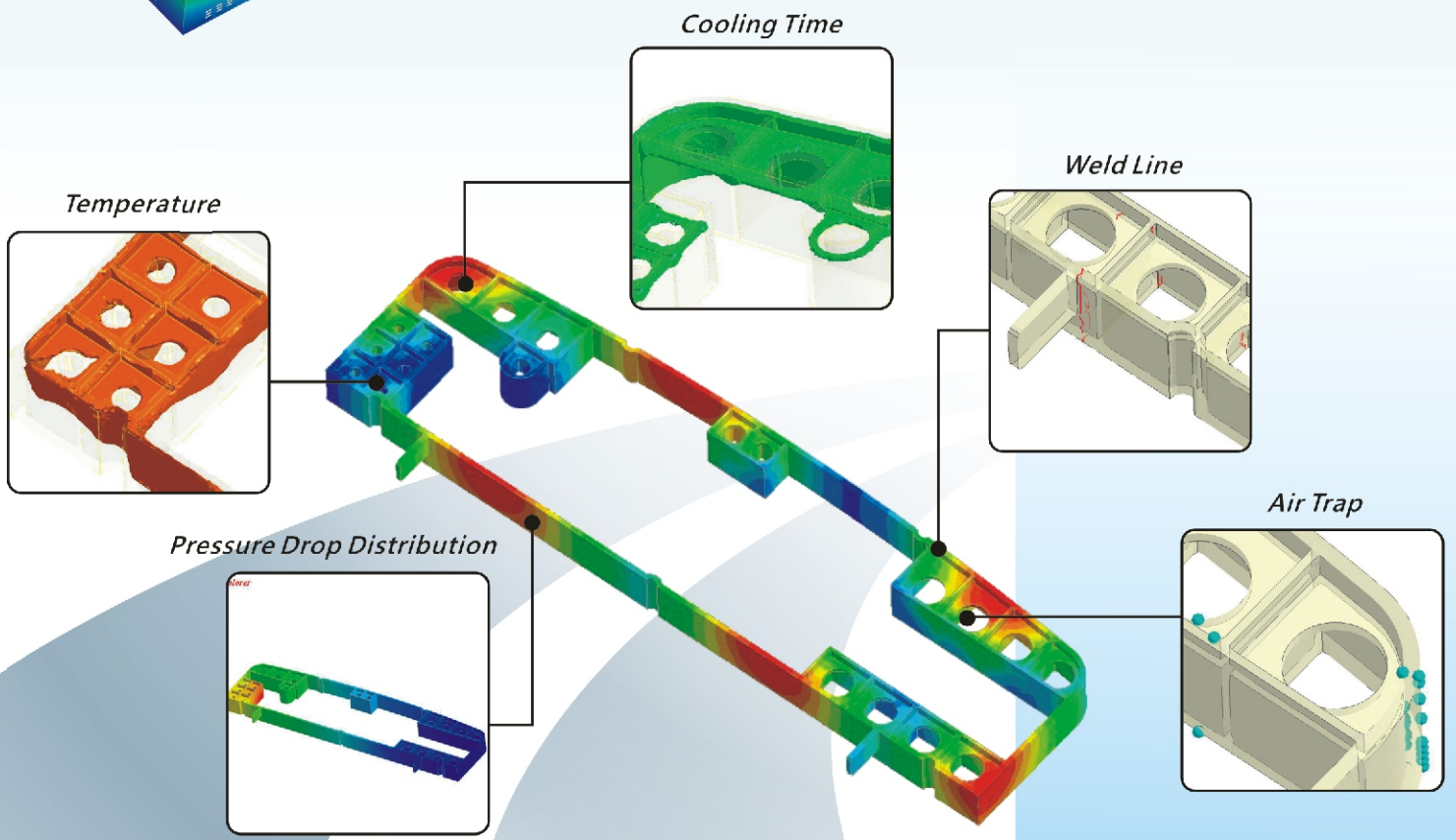
According to Business Week: innovations in 3D technology is one of the "Ten Business Predictions for 2009" that will continue to flourish even during recession. An increasing number of companies are designing their parts with 3D CAD, and looking for performance upgrades by using 3D solid models for simulation and analysis as well. Most of SolidWorks users are designing precision parts with complicated wall thickness variations. There's no doubt true 3D simulations will provide much more accurate simulation results than the conventional 2D simplifications.

How Moldex3D eXplorer for Pro/ENGINEER helps?

Moldex3D eXplorer for Pro/ENGINEER provides insights into part design and molding process. Through visualizing 3D melt front advancement, gate contribution, weld line, air trap, temperature, molecular orientation and cooling time results, users can further optimize their part design for both performance enhancement and cost reduction.

What Moldex3D eXplorer for Pro/ENGINEER does?

The interface of Moldex3D eXplorer is fully embedded in SolidWorks. It's therefore very user friendly and straightforward. Users simply assign gate location(s) and select a material; Moldex3D eXplorer for Pro/ENGINEER will take on the rest and generate a HTML report. Through true 3D solid plastic flow simulation, Moldex3D eXplorer for Pro/ENGINEER allows SolidWorks users to quickly check the manufacturability and quality of plastic part designs in the early design phase.



Requirements

Platform	Windows	XP, Vista, XP-64bit, Vista-64bit
Software	Pro/ENGINEER	Wildfire 3.0 / 4.0 / 5.0
Recommended Hardware	CPU	Intel P4 2.8 GHz or higher
	RAM	2.0 GB or higher
	Hard disk	60 GB or higher
	Display card	OpenGL function supported