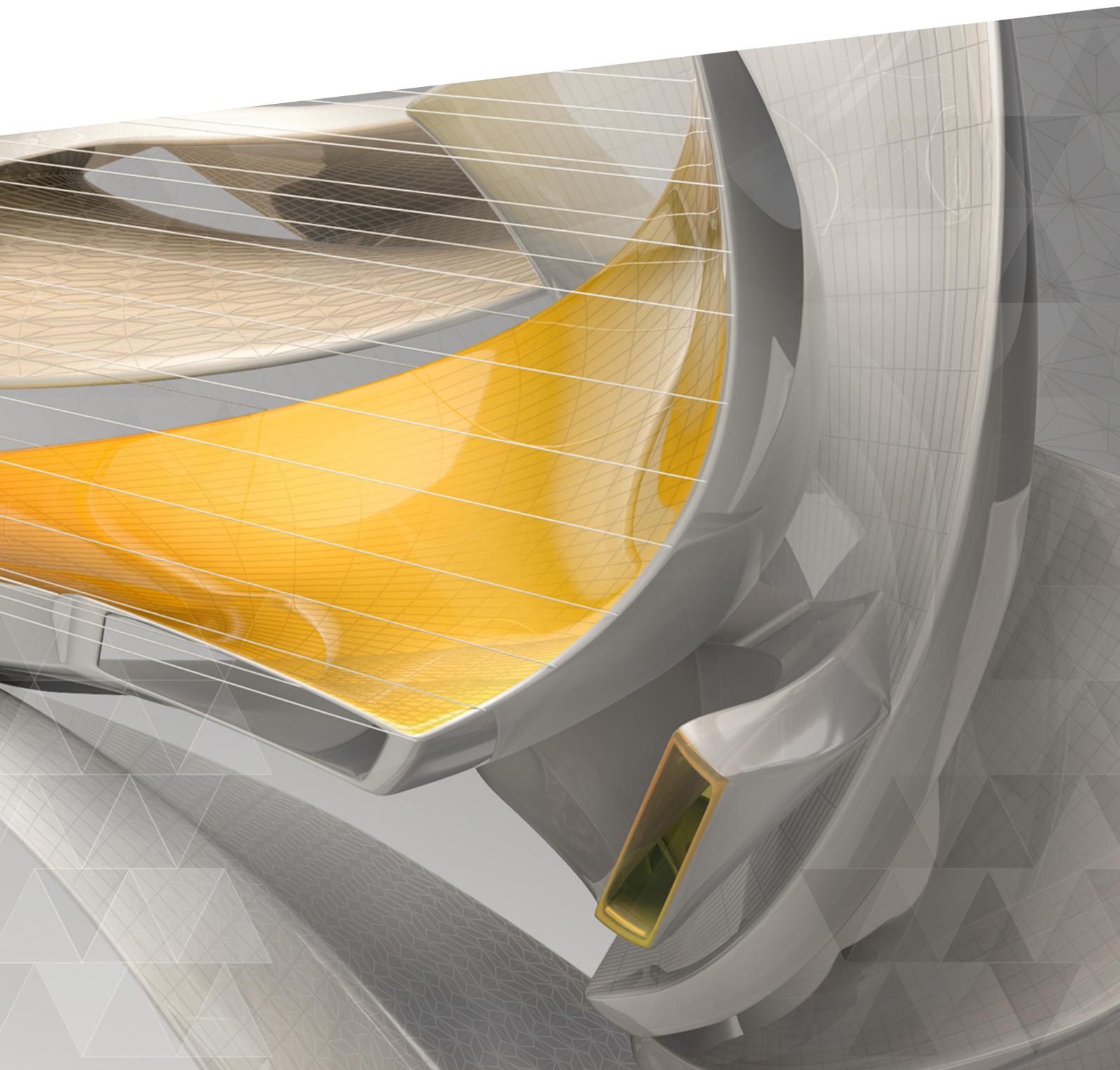


Plastics made perfect

Optimize your plastic parts for plastic injection molding



Providing tools for injection mold design, plastic part design, and the injection molding process. Reduce manufacturing defects and get your products to market faster.

The Standard for injection molding simulation

Industry leading companies worldwide use Autodesk® Moldflow® software to help optimize part and mold designs, reduce potential manufacturing defects, and get innovative products to market faster.

Autodesk Moldflow provides tools to help CAE analysts, engineers, and designers evaluate different designs, mold configurations, and the different injection molding processes, reducing the need for costly physical prototypes to plan ahead for manufacturing.

Achieve success with...

- Plastic flow - Simulate the flow of thermosets and thermoplastics to help optimize plastic part and injection mold designs, reduce potential part defects, and improve the molding process.
- Tooling layout - Evaluate and optimize cavity location, hot and cold runner systems, and gating configurations.
- Mold cooling configuration - Improve cooling system efficiency, minimize part warpage, achieve smooth surfaces, and reduce cycle times.
- Shrinkage and warpage - Evaluate plastic parts and injection mold designs to help control shrinkage and warpage.
- Material library - Robust library with over 9,500 grades of material from a variety of suppliers to effectively evaluate various material options for your part design.

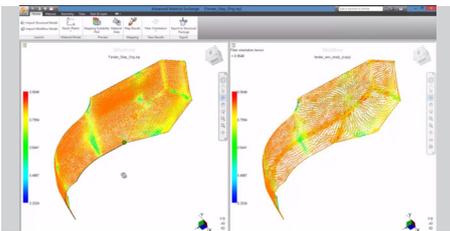


The Future of Making Things...

is here, bringing with it radical changes in the way things are designed, made, and used. With the right knowledge and tools, this disruption is your opportunity.

“We have been using Simulation Moldflow for about ten years. Back then, it was the only sensible product on the market. Today, it is basically the standard tool for simulations.”

–Beat Schiegg
Head of R&D
forteq Nidau AG



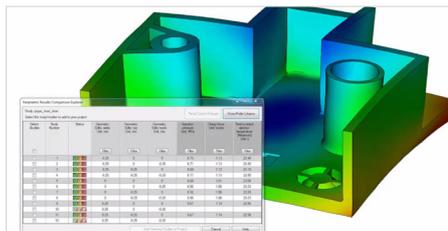
As-manufactured performance

Validate and optimize mechanical performance of as-manufactured plastic parts using tools to exchange data with mechanical simulation software. Exchange data with additional software packages to predict the real-life structural behavior of plastic parts by using as-manufactured material properties.



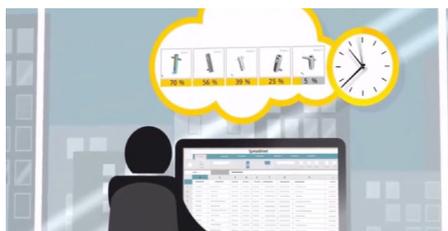
Direct geometry editing

Explore part design improvements directly within Moldflow. During design optimization, engineers often make manual changes to designs to avoid manufacturing problems. This typically requires making changes in the CAD system. By making changes directly within Moldflow for properties like wall thickness or feature positions, you can try many different combinations.



Part optimization

Include model geometry parameter range values to assess how geometry modifications affect the manufacturing process. Determine which input process variables, such as mold temperature or injection time, can influence the quality of the part. With automated geometric optimization, you don't have to manually iterate on different wall thicknesses to determine the best design. Instead, the software displays several different combinations for you to choose from. Understand the stability of your manufacturing process, and identify the major factors that influence your product defects or machine molding limits.



Cloud connectivity

The extended solving options of Autodesk Moldflow software allows you to simulate on your local machine, a remote server, or in the cloud, depending on your needs. If you are testing the setup of an analysis, use your local machine to iterate and optimize. When analyses are more computationally intense, or you need some extra compute power to complete a job on time, use the power of the cloud, saving local resources for other tasks.

Moldflow Tools

- Error checking and repair - Scan imported geometry and automatically fix defects that can occur when translating a model from CAD software.
- Specialized simulation tools - Solve design challenges with simulation, such as insert overmolding, two-shot sequential overmolding, birefringence, and foaming processes.
- Specialized molding processes - Simulate a wide range of plastic injection molding processes and specialized process applications.
- Easily create, repair, and refine meshes during remeshing with mesh selection and node previews.
- Results interpretation and presentation - Use a wide range of tools for model visualization, results evaluation, and presentation.
- Automation and customization - Automate common tasks and customize Autodesk Moldflow software for your organization.
- Productivity tools - Use advisers and extensive help to boost productivity.

Make Great Products

Autodesk manufacturing software helps you make better quality products, faster. Machine, print, inspect, and fabricate parts efficiently.

- Complete modular manufacturing solutions – CAM, additive, composites
- Manufacturing expertise to automate, optimize and integrate your manufacturing processes, in addition to your software
- Cloud-connected so you can collaborate and manufacture anytime, anywhere.

Learn more at www.autodesk.com/MAKE.

Learn more or purchase

Access specialists worldwide who can provide product expertise, a deep understanding of your industry, and value that extends beyond your software. To license Autodesk Moldflow software, contact an Autodesk Authorized Reseller. Locate a reseller near you at www.autodesk.com/reseller.

Autodesk Education

Autodesk offers students and educators a variety of resources to help ensure students are prepared for successful design careers, including access to free* software, curricula, training materials, and other resources. Anyone can get expert guidance at an Autodesk Authorized Training Center (ATC®) site, and validate skills with Autodesk Certification. Learn more at www.autodesk.com/education.

Autodesk Subscription

Autodesk® Subscription gives you a greater advantage with powerful cloud-based services, access to the latest software, online technical support, and flexible licensing privileges.** Learn more at www.autodesk.com/subscription.

Autodesk 360

The Autodesk® 360 cloud-based framework provides tools and services to extend design beyond the desktop. Streamline your workflows, effectively collaborate, and quickly access and share your work anytime, from anywhere. Learn more at www.autodesk.com/autodesk360.

*Free products are subject to the terms and conditions of the end-user license agreement that accompanies download of this software.

**All Subscription benefits are not available for all products in all geographies. Please consult your Autodesk reseller or sales representative for more information.

Autodesk, the Autodesk logo, Moldflow are registered trademarks or trademarks of Autodesk, Inc., and/or its subsidiaries and/or affiliates in the USA and/or other countries. All other brand names, product names, or trademarks belong to their respective holders. Autodesk reserves the right to alter product and services offerings, and specifications and pricing at any time without notice, and is not responsible for typographical or graphical errors that may appear in this document.

© 2018 Autodesk, Inc. All rights reserved.