



The Professional Plastic Injection Simulation Tool for Solid Edge

**PRODUCT DETAILS:**

→ **Input/Output formats:**

CAD: Same as Solid Edge  
FEM: ABAQUS

→ **Integrated Material Data Base**  
Built-in and User-defined

→ **Result Parameters:**

- Temperature distribution
- Pressure distribution
- Volume Shrinkage
- Shear Stress
- Shear Rate
- Fill Animation
- Warpage & Shrinkage Deflection
- Fiber Orientation
- Cooling Time
- Weld Lines
- Air Traps
- Sink Marks

→ **Automatic Report Generation**  
with HTML, PPT and Word Formats.

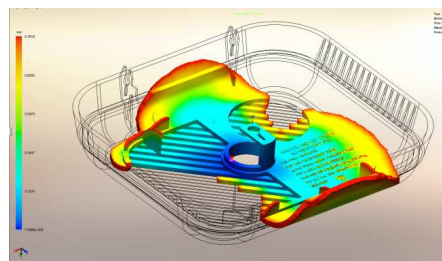
→ **Integrated Surface and Volume Meshers**

→ **Editor for Runner and Cooling Channels**

→ **Unit System:** S.I-metric and BTU

→ **System Requirements:**

- MS Windows XP / Vista / 7
- Solid Edge active license
- 2 GB RAM or more
- Intel Core2Duo or more
- 32 or 64 bit
- 1 GB Hard Disk
- Mouse & Keyboard
- DVD Drive

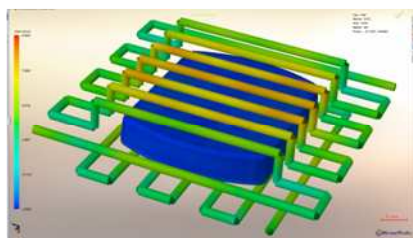
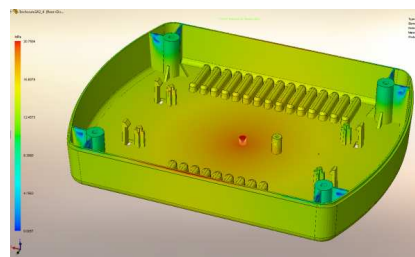


**SimpoeEdge FILL**

**SimpoeEdge® FILL** is the base plug-in package for conducting an analysis in the Solid Edge environment. You can study the flow patterns, weld lines, air traps, effect of gate positioning, runner design and distributions of pressure, temperature, etc. It contains the powerful **Pre and Post-processing** modules as well as shell and full 3D meshing technologies.

**SimpoeEdge PACK**

**SimpoeEdge® PACK** plug-in module conducts the analysis during the post-filling phase. The module calculates the residual stress, volumetric & linear shrinkage, and allows you to determine the optimum pressure holding time and clamping forces. **SimpoeEdge® PACK** also indicates the locations of sink marks.

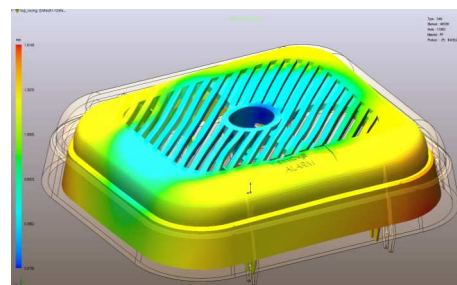


**SimpoeEdge COOL**

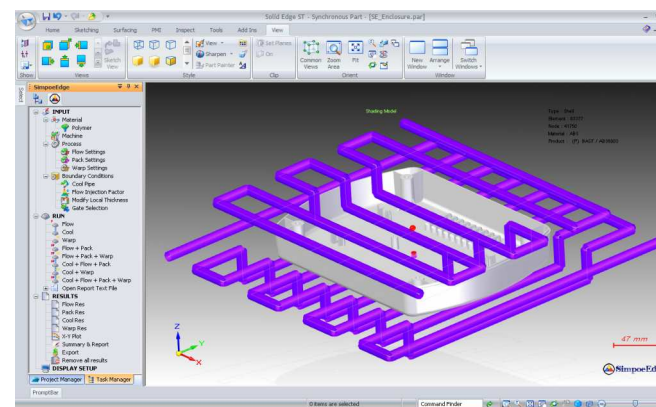
**SimpoeEdge® COOL** plug-in module conducts the thermal analysis. The module calculates the optimum cooling time, thermal stress, and temperature distribution. You can create your own cooling channel design and test it to determine the optimum configuration.

**SimpoeEdge WARP**

**SimpoeEdge® WARP** plug-in module is used to calculate the warpage deflection of the part. The animation of the deflection shows the deformation in all directions and also the total deflection. The visualization of deflection can depend on the residual and the thermal stress. Linear shrinkage can also be added. **SimpoeEdge® WARP** also includes links to structural analysis, as well as export of the counter-deformed geometry for mold design optimization.



- **Easy to Use & Intuitive Handling**
  - **Powerful & Complete Analysis Capabilities**
  - **Affordable Simulation for Everyone**
  - **Fully embedded into Solid Edge**



**SimpoeEdge®** is a fully-featured general purpose plastic injection simulation software for:

- **Fill analysis**
- **Pack analysis**
- **Cool analysis**
- **Warp analysis**

**Plastic Injection For Everyone**

**SimpoeEdge®** is the missing link for a truly Collaborative Product Development strategy. Plastic injection simulation is, thanks to SIMPOE, now available to everyone. So if you don't have 20 years of practical experience and

don't want to rely on countless expensive prototypes then SimpoEdge is the tool for you!

You don't have to be an expert to use SimpoEdge®. It is used in the Product Development Process by:

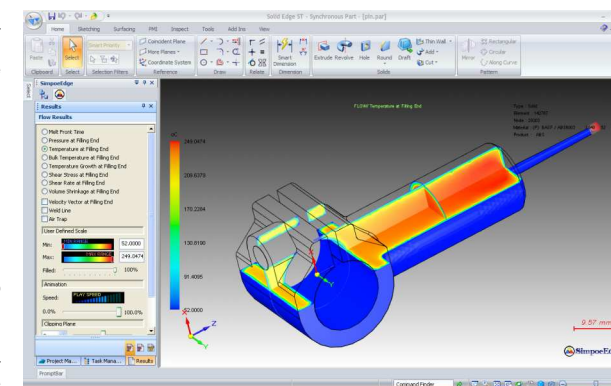
- Design Engineers
- Mold Makers
- Plastics Injection Manufacturers

**All-in-One Package**

From reading of your CAD data, to meshing, solving, & results processing, **SimpoeEdge®** does it all.

So whether you are creating an automatic mesh, setting the process conditions, or viewing the results, you never leave the Solid Edge environment.

You can also create a surface mesh for a quick and efficient thin-part analysis or a full 3-D volume mesh for the most complex parts including thick and chunky parts.



**SIMPOE makes it simple**

**SIMPOE's** Key Technologies are the warranty for unparalleled ease-of-use, accuracy, efficiency, and affordability for plastic injection simulations. **SimpoeEdge®** is a real Add On Value to the Solid Edge Family.

**The First Fully-Integrated Plastic Injection Tool for Solid Edge**



