



# PRODUCT SPECIFICATIONS

## Geometry Type

Surface : Mid-Surface Model  
Shell3D : Solid Shell Model  
Solid3D : Solid Model

## File Formats

### CAD:

SolidWorks, Pro/ENGINEER, UGII, Inventor, Solid Edge, CADKEY, Parasolid, ACIS, STL,IGES, STEP...Automatic Meshing

### FEM:

Output: Nastran, Abaqus  
Mesh Quality Control Tools

## Basic Parameters

### •Plastic Materials:

Built-in **and customizable** plastic materials data bank

### •Injection process controlling parameters:

Flow rate or Time control  
Resin melt and mold wall temperatures.  
Injection press maximum pressure & maximum flow rate

•Definition of injection gates, runners and cooling channels

•Co-Injection, Fibers, Multi-Domains, Inserts.



## Filling/Packing Results

### Filling/Packing :

Melt front, with dynamic display.  
Pressure at filling end.  
Average, central, bulk temperatures.  
Shear stress and shear rate.  
Shrinkage.  
Gate(s) location(s) optimization .  
Perfect cooling time\*.  
Sink Marks positions\*.  
Weld lines.  
Air traps.  
Skin and core fibers orientation. \* requires PACK

*FILL + PACK Modules*

## General Results

### General:

Profile curves on user-defined nodes.  
Flow rate, pressure and clamping forces curves.

Clipping planes and Iso-Surfaces.

Automatic generation of HTML, PPT and Word reports, including data, graphs, animations, images and numerical results.



# PRODUCT SPECIFICATIONS

