

# Moldflow Design Link™

## CAD CONNECTIVITY TOOLS

Moldflow Design Link™ (MDL™) is a software product that allows the direct import of solid geometry data from some of the world's leading CAD systems into Moldflow's analysis solutions. Using MDL, native CAD data from CATIA V5®, Pro/ENGINEER®, SolidWorks® and Parasolid™-based CAD systems can be seamlessly imported into Moldflow Plastics Advisers® (MPA®), and Moldflow Plastics Insight® (MPI®) software.

### Using MDL with MPA

■ When MDL is used with MPA software, the CAD solid model is automatically converted to the MPA model format

### Using MDL with MPI

■ CAD models can be imported into MPI in two methods:

- As a Dual Domain™ or 3D mesh (or)
- As surface geometry, which can subsequently be meshed within MPI/Synergy

### Dual Domain or 3D Mesh Import Options

- Directly generate Dual Domain™ or 3D meshes from the CAD geometry. Both individual part models and multi-component (assembly) models can be meshed.
- Simultaneous mesh creation for all components of an assembly while ensuring that contact surfaces of mating components are perfectly matched. This feature brings about significant time savings and simplifies the workflow for users working with multi-component models.
- Option to specify target mesh size (edge length) to achieve a specific mesh density
- Chord angle control option allows for proper representation of curved sections in the resultant mesh

- Sliver feature removal option to eliminate spurious mesh quality errors

### Surface geometry import options

- Imported geometry is represented in MPI/Synergy as trimmed NURBS surfaces
- These surfaces can be independently viewed, grouped, or meshed
- Key benefit is the ability to specify local mesh sizes in critical regions of the part model
- Only part models can be imported as surfaces, assembly models are not supported

### Supported CAD Systems

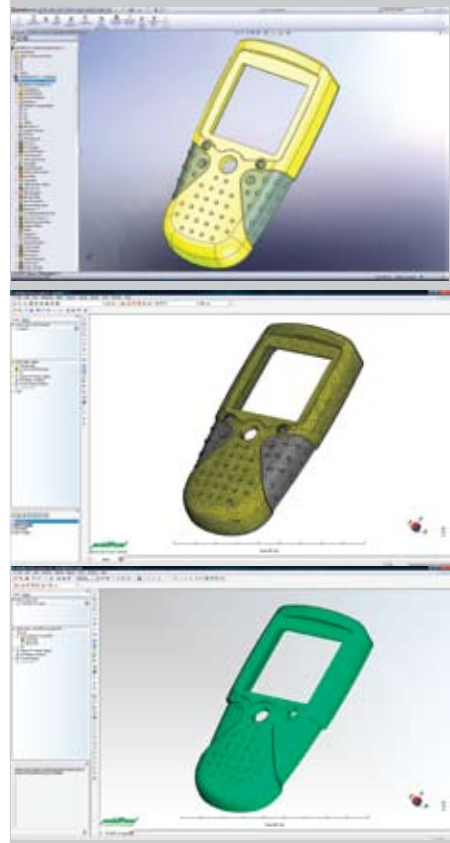
- CATIA V5 R18 and earlier
- Pro/ENGINEER Wildfire 4.0 and earlier
- SolidWorks 2008
- Parasolid 19.0 and earlier

### Supported Hardware Platforms

- Microsoft Windows Vista Business, Enterprise and Ultimate Editions (32 or 64-bit)
- Microsoft Windows XP Professional (32 or 64-bit)
- Microsoft Windows 2003 Server Standard and Enterprise Editions (32-bit)

## AVAILABLE IN 3 VERSIONS

- 1 MDL/Parasolid**  
for the import of Parasolid, SolidWorks, IGES, and STEP models
- 2 MDL/Pro/ENGINEER**  
for the import of Pro/ENGINEER, IGES, and STEP models
- 3 MDL/CATIA V5**  
for the import of CATIA V5 models



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## Only from Moldflow

When you purchase a Moldflow product you are investing in a technology partnership founded on new product innovations and world-class customer support and training. No other plastics simulation company has the global reach, wealth of resources, or financial stability to support its customers across their enterprise.

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