



The Moldflow Cooling Circuit Adviser extends the capabilities of Moldflow Mold Adviser to simulate the cooling phase of the injection molding process so that users can optimize mold designs for uniform cooling and minimum cycle times.

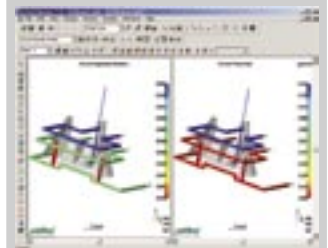
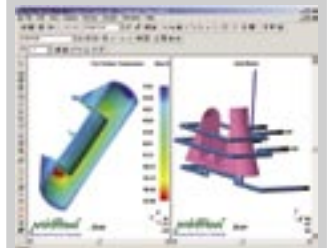
## Capabilities

### Analysis Capabilities:

- Design, create and evaluate cooling circuits to achieve uniform cooling and minimize cycle time
- Model circular and semi-circular channels, hoses, baffles and bubblers
- Automatically create the initial cooling layout
- Take advantage of the option to import centerline cooling layout from a CAD system and assign cooling channel properties
- View the part surface temperature distribution to estimate the difference between the core and cavity temperatures
- View the pressure drop, Reynolds number, flow rate and coolant temperature along each cooling circuit to identify inefficient circuits

### Benefits:

- Choose among several options to design cooling circuits, including importing from a CAD system, using an automatic wizard or using highly efficient modeling tools that are integral to Cooling Circuit Adviser
- Evaluate cooling circuit designs to identify non-uniform cooling patterns that can lead to undesirable part warpage and inefficient circuits that can lead to a longer cycle time



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