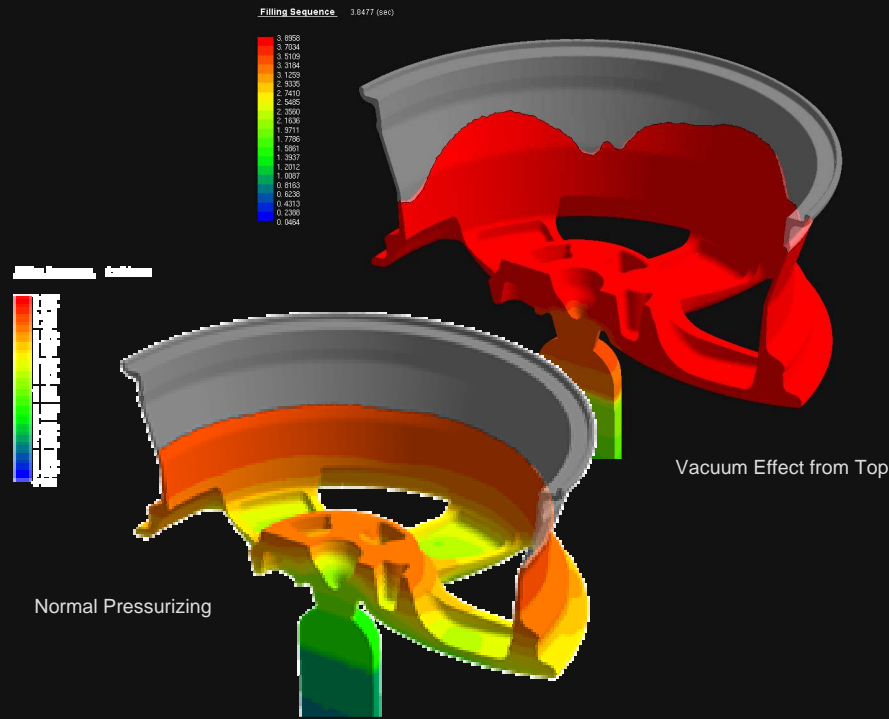


AnyCasting™ LPDC

Advanced Casting Simulation Software

Automobile / Wheel



Filling Front is Drawing to Upward due to Vacuum Effect

Functions

- Filling Pattern : Filling Sequence
- Air Entrapment Defect Tracing
- Oxide Defect Tracing
- Vacuum Pressure Effect
- Feeder Model in Stalk
- FEM Thermal Stress Analysis
- Cooling & Heating Channel Model
- Cyclic Casting Analysis
- Macro & Micro Shrinkage Models
 - Ferrous & Non-Ferrous

- Semi-Solid & Non-Newtonian Model
- 3D Surface Tension Effect
- Turbulence Model : k-e, RNG, k-w
- Mesh CAD function
- Independent Database Software
- Floating License
- Real Shape View : Perfect Rendering
- 3D Arbitrary Cross Section View



AnyCasting™ LPDC

Advanced Casting Simulation Software

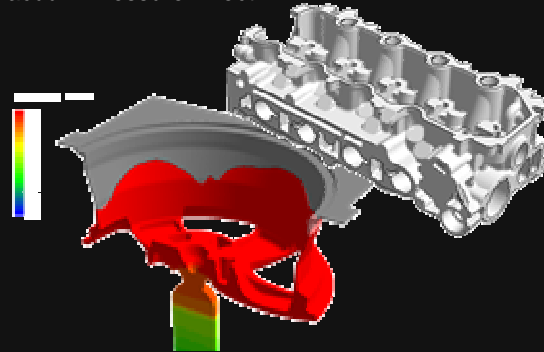
Automobile / Wheel

Filling Pattern : Filling Sequence



Fluctuation of filling at stalk and gate can be observed only by Filling Sequence function (more than several times)

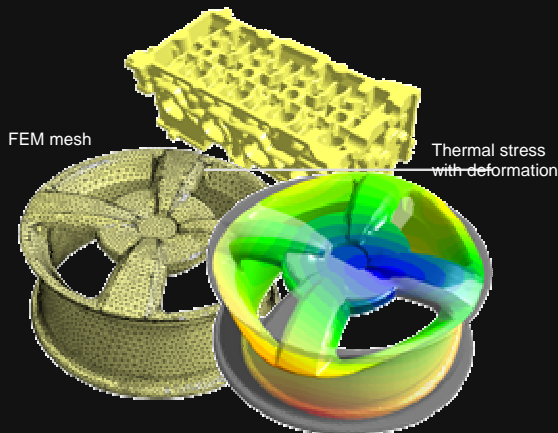
Vacuum Pressure Effect



Filling front is drawing upward due to vacuum pressurization (Vacuum suction before pressurization at stalk)

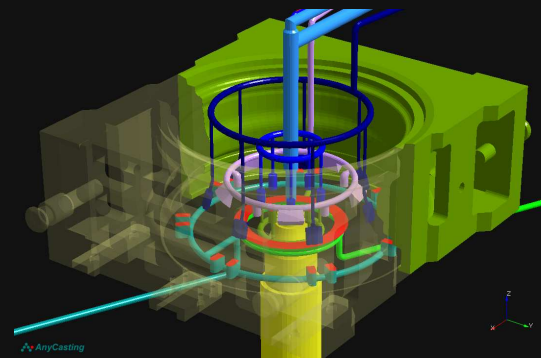
- Air Entrapment Defect Tracing
- Oxide Defect Tracing
- Feeder Model in Stalk
- Cyclic Casting Analysis

FEM Thermal Stress Analysis

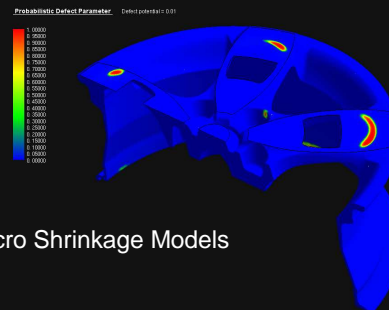


Temperature of product or die can be transfer to FEM thermal stress solver at any timing during solidification for predicting deformation history during whole casting & heat treatments

Cooling & Heating Channel Model



Real setting of channel : On & Off time, media, flux, temp., etc. HTC for channel are automatically calculated by Adv. model



Macro & Micro Shrinkage Models



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