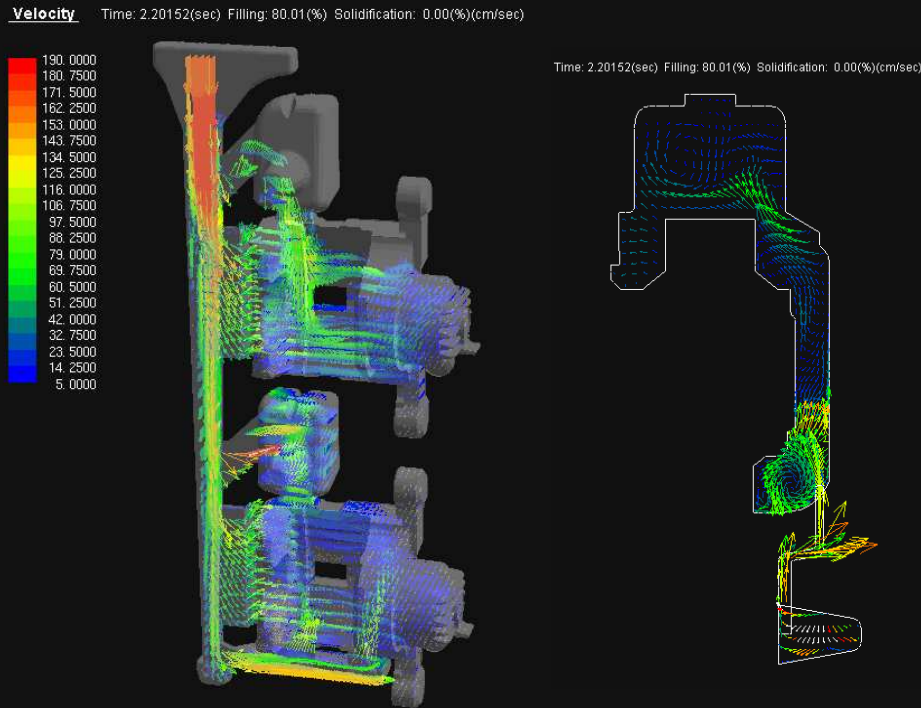


AnyCasting™ Sand

Advanced Casting Simulation Software

Automobile / Machinery



Prediction of Drops in Disamatic Sand Casting

Functions

- Filling Pattern : Filling Sequence
- Oxide Defect Tracing
- Pouring Basin Model
- Stopper Model
- Tilting Model
- FEM Thermal Stress Analysis
- Macro & Micro Shrinkage Models
 - Ductile & Grey Cast Iron
 - Cast Steel
 - Large Ingot
 - Non-Ferrous : Al, Mg, Cu, Zn, etc.

- 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

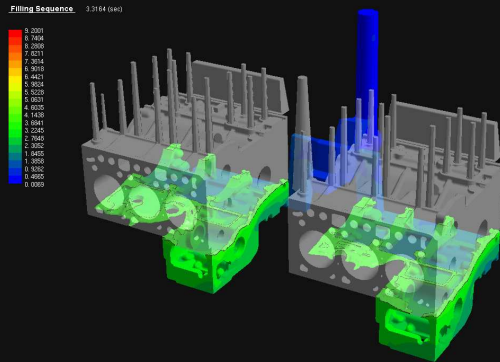


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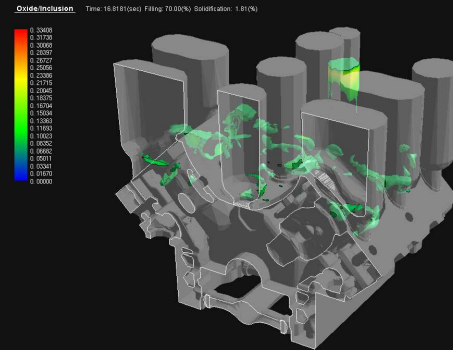
Automobile / Machinery

Filling Pattern : Filling Sequence



You can see every detailed filling pattern with Filling Sequence & Real Shape View

Oxide Defect Tracing



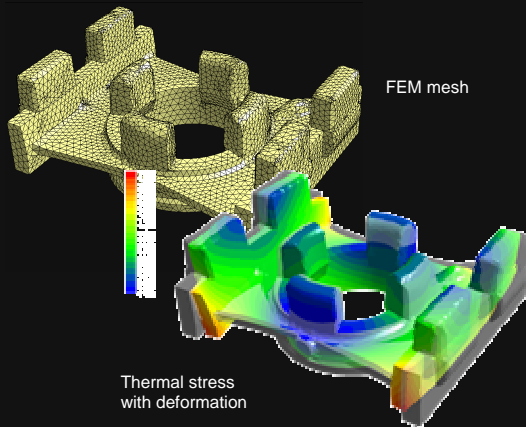
Oxide defects gives damage to surface quality and make lack of volume & mech. properties

- Pouring Basin Model
- Stopper Model
- Tilting Model
- 3D Surface Tension Effect

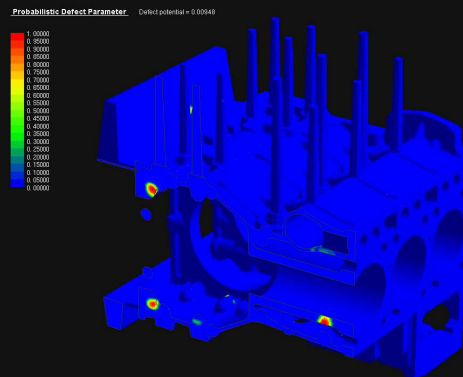
- Turbulence Model : k-e, RNG, k-w
- Independent Database Software

FEM Thermal Stress Analysis

- Macro & Micro Shrinkage Models
 - Ductile & Grey Cast Iron
 - Cast Steel
 - Large Ingot
 - Non-Ferrous : Al, Mg, Cu, Zn, etc.



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



Shrinkage area sizes are calculated by Probabilistic Model User defined shrinkage parameter can be saved into DBase



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