



Moldflow Analysis



Flow

Pack

Cool

Warpage

2-Shot

Gas

Inj/Compression

Co-Injection

MuCell

Answers without wasting time or money!

- Uniformity of fill
- Determine number of gates
- Gate size and location
- Weld line location
- Gas Entrapment
- Pressure, temperature
- Shear rate, shear stress
- Evaluate part designs
- Processing conditions
- Hot runner sizing
- Balance family molds
- SVG

Why Analysis?

What happens if the wrong gate location is selected, or if the mold fails to fill as required?

Who pays the price?

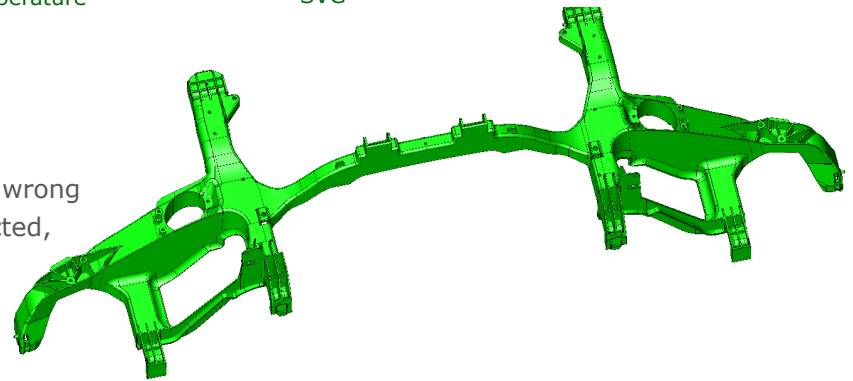
Moldflow analysis

is an outstanding predictive

engineering tool. A simulation tool which

can identify potential problems or address uncertainty.

Our scientific approach will save you both **time** and **money**.

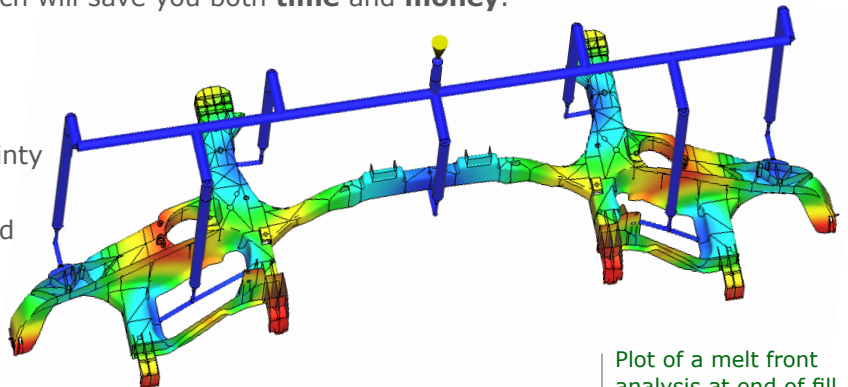


Providing Answers

To eliminate uncertainty and to insure your design can be molded successfully, you need answers, answers before "cutting steel".

Moldflow analysis is a "must have"

for those interested in reducing costs and optimizing productivity.



Plot of a melt front analysis at end of fill

"Get it Right the First Time!"

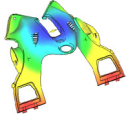


Certified Staff

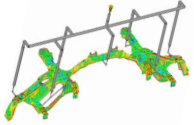


25 years Experience

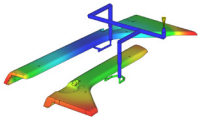
Filling



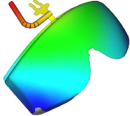
Fiber Orientation



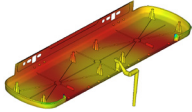
Gate size/location



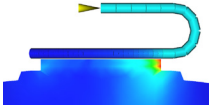
Pressure



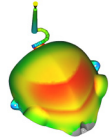
Temperature



Shear rate



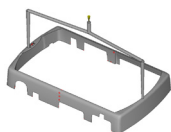
Shear Stress



Weld lines

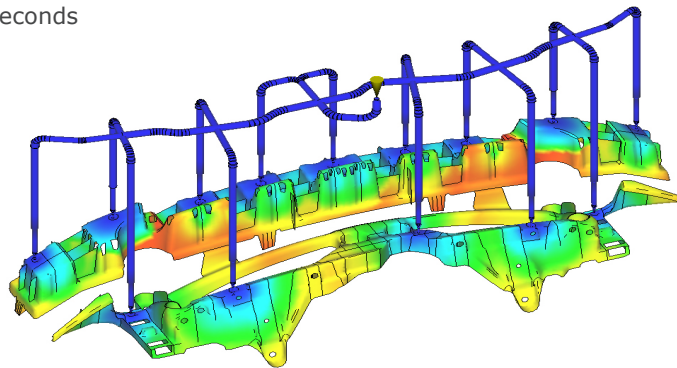


Air traps



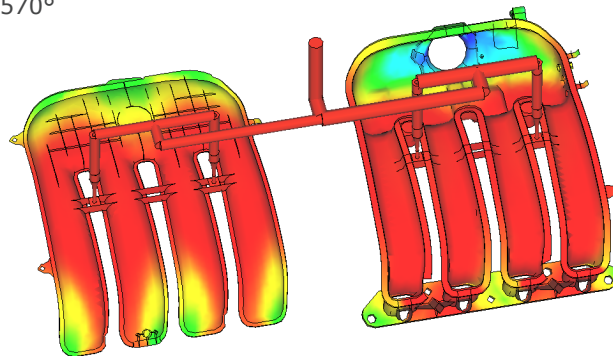
Energy Absorber (14 Drop)

Meltfront Advancement
Fill Time: 5.75 seconds



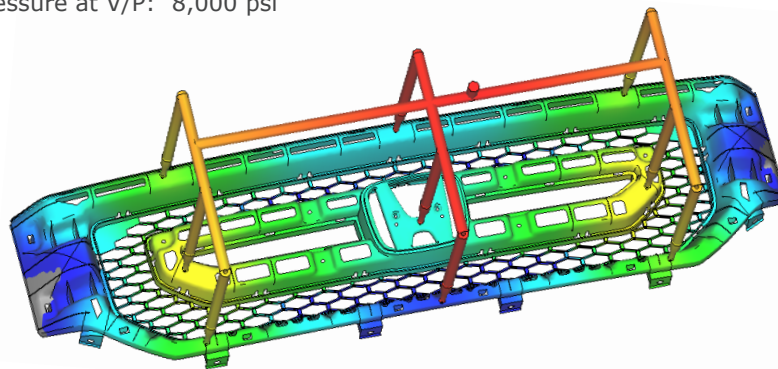
Manifold Intake

Flow Front Temperature plot
Max temperature: 570°



Grille base (Six Drop)

Pressure Plot at V/P switchover
Max pressure at V/P: 8,000 psi



Have an application?

Call us at **630.761.9898** and let's discuss how we can help you save money by "Getting it Right the First Time".

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