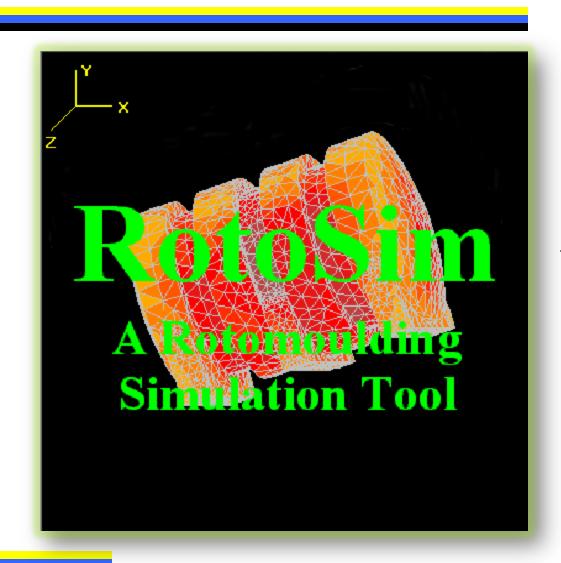
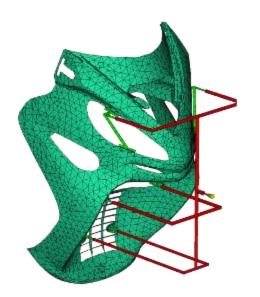
#### **Rotomolding Simulation Software**

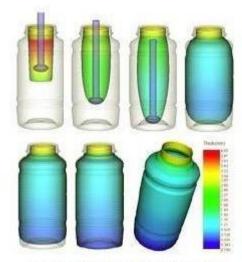


**ARM Fall Meeting** 

Cleveland, Ohio September 30, 2013

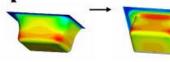




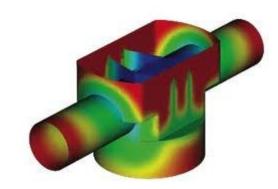


Stretch blow moulding simulation

Billow Drape Simulation Half-symmetry model Thickness distribution



#### Design of Part



- Identify Potential molding Problem areas during the design stage
- Where is thickness critical?
- Better basis for quoting

#### **Design of Process**

- Effect of shielding
- Effect of enhanced heating
- Effects of changing cooling techniques and timing
- Effects of changing arm rotation without interfering with other molds on the same arm.

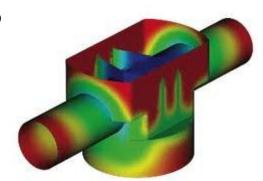
#### Saving Costs



- Saves Machine time Gas, Electrical
- Saves material needed to run trials
- Productivity Less time running tests

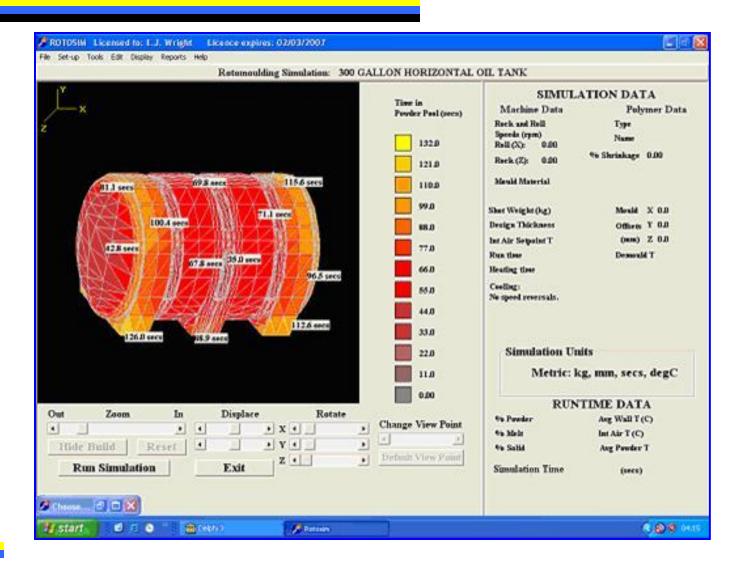
### Simulation in Rotomolding

**Training** 



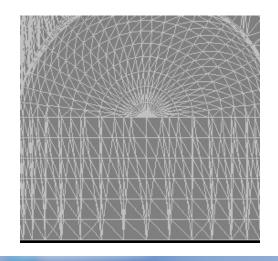
New employees can be trained on setting up molds and cycles and see the effect of their work without risk or damage to production.

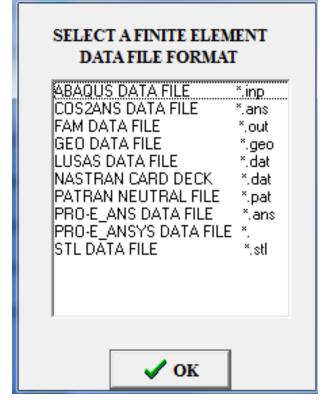
## Simulation Software for Rotomolding

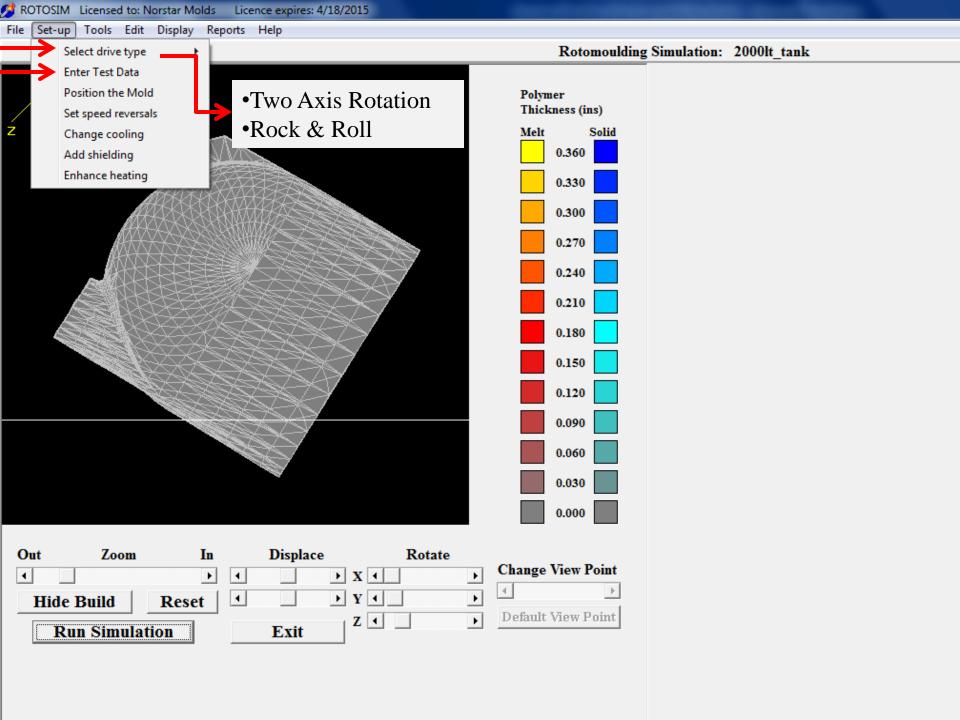


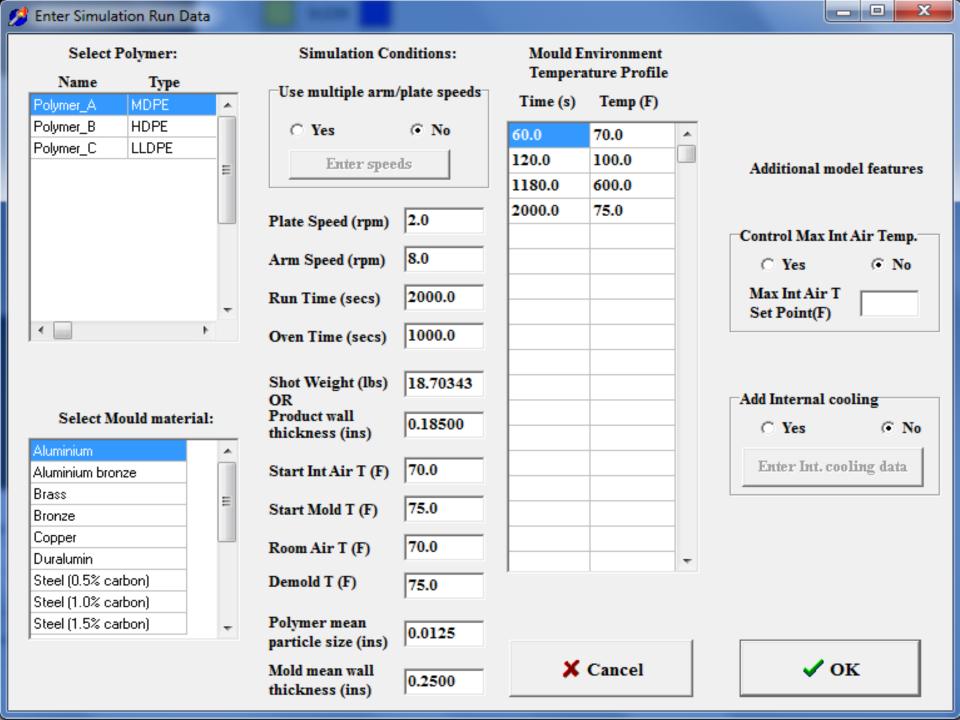
#### File Import Format

- All Starts with 3D CAD data.
  - SolidWorks™
  - ProE ™
- Must be able to export .stl or comparable format files into RotoSim

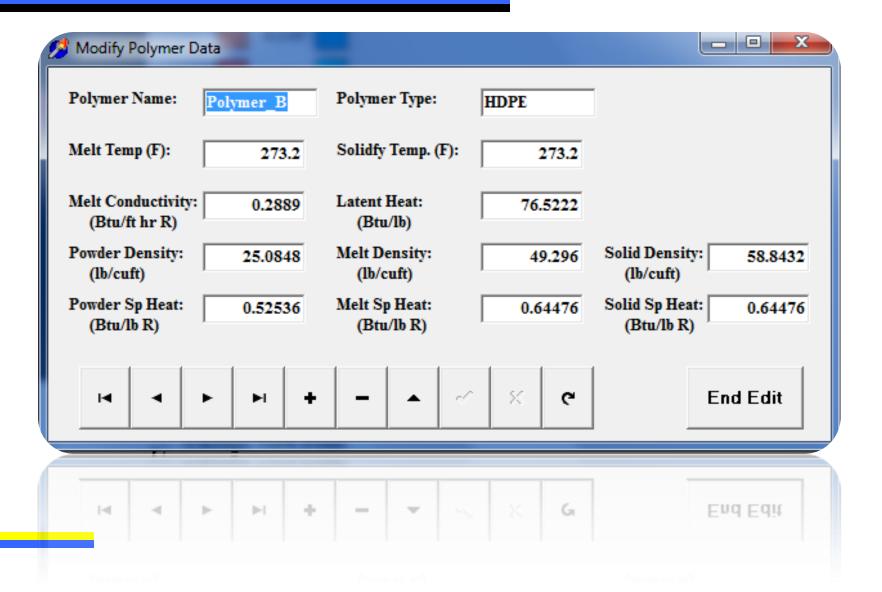


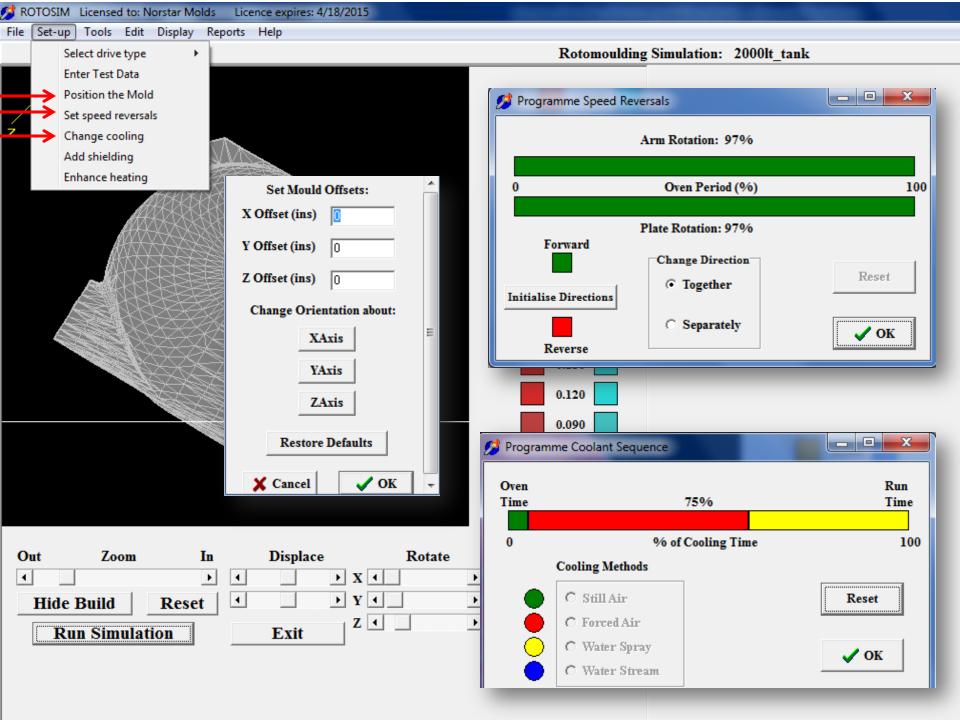


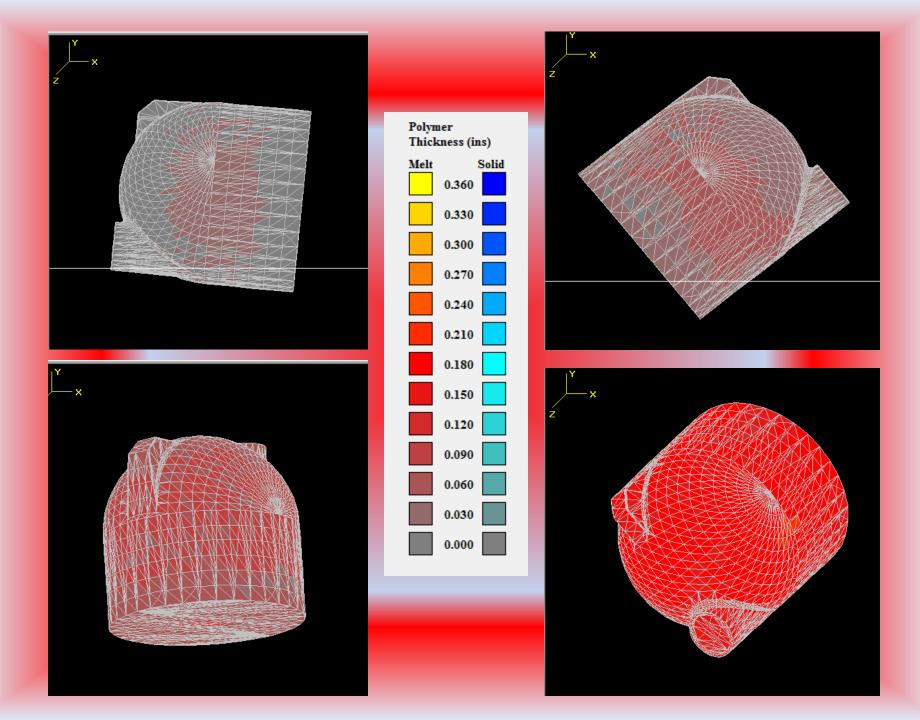


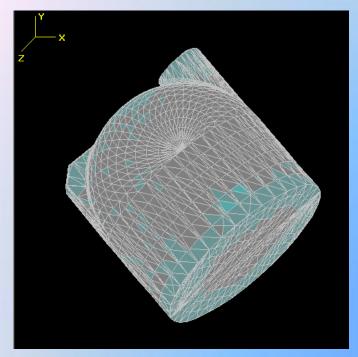


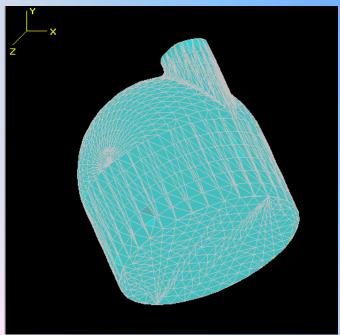
### New Resin Input

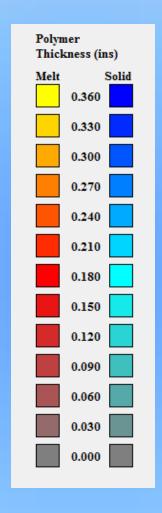


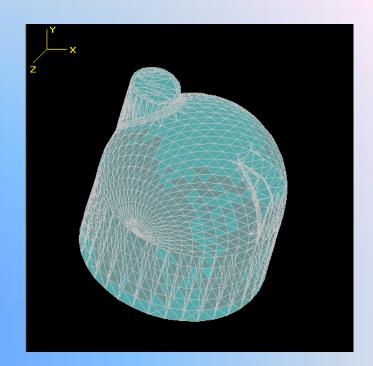


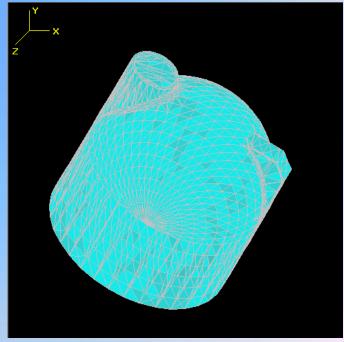


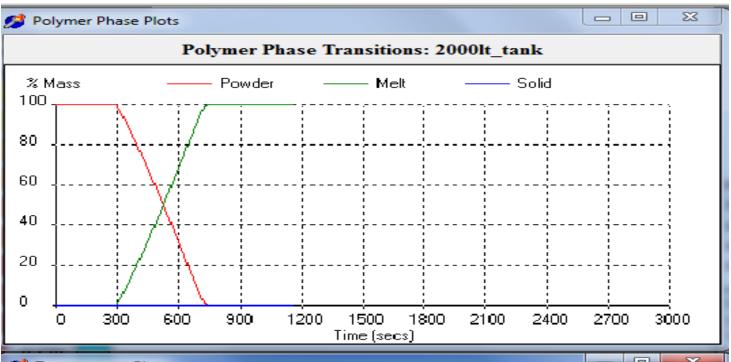


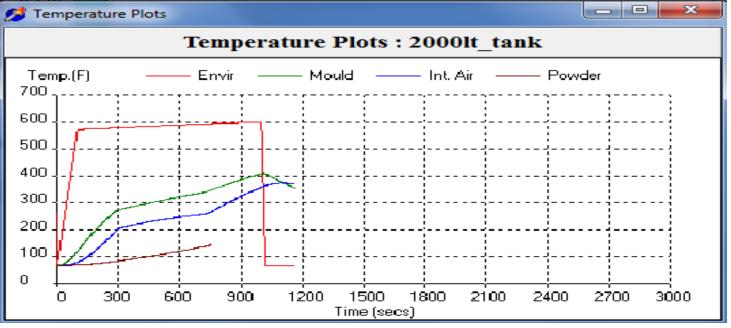




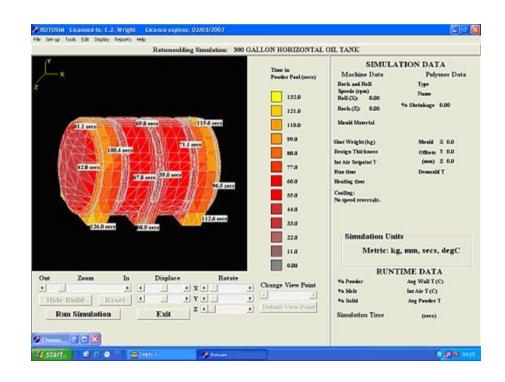




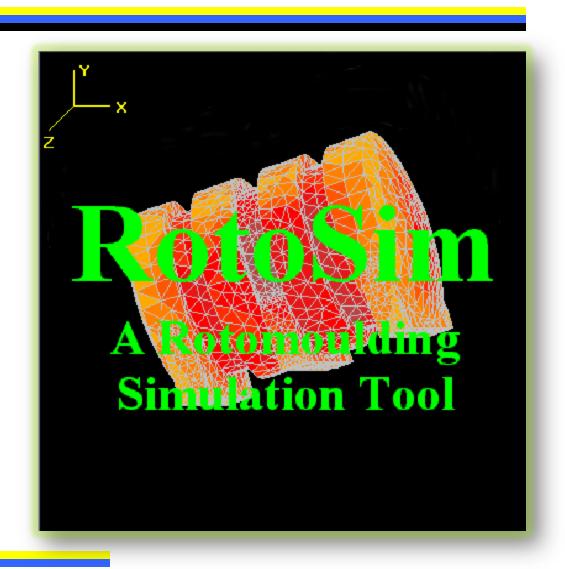




- Design of Part
- Design of Process
- Save Time
- Save Costs
- Training



#### **Rotomolding Simulation**



Affordable to buy

Rent to Try

