

RED ALERT!

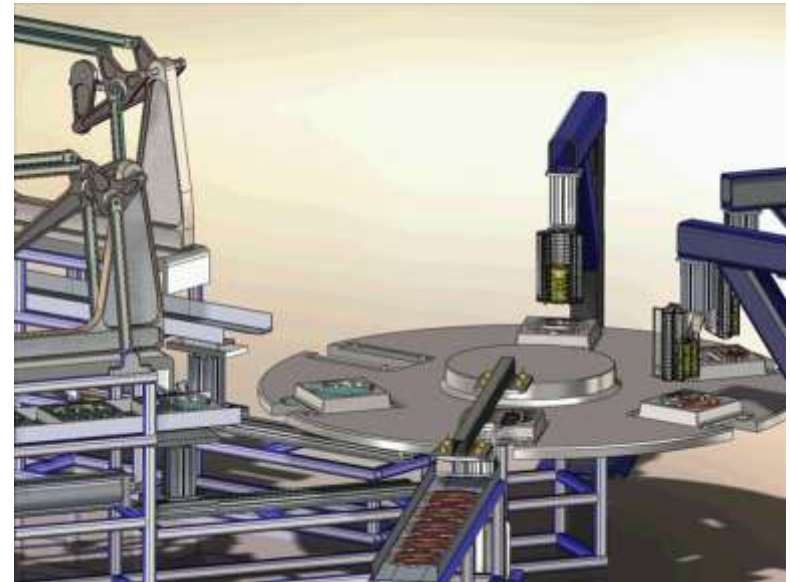
Understanding Sensors inside of SolidWorks



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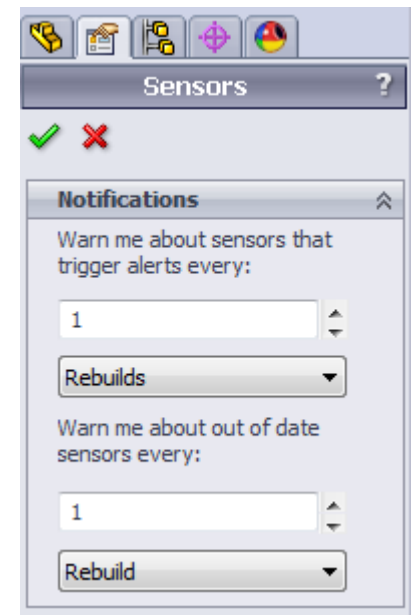
Sensors

- Mass Properties
- Dimensional
- Interference
Detection
- Proximity
- Simulation Data



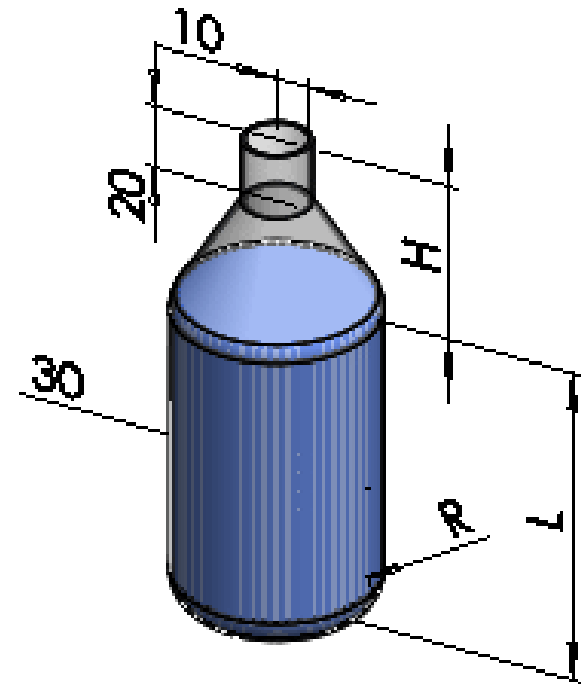
Alerts

- Notifications appear at specified intervals to notify you about:
 - Sensors that have triggered alerts
 - Sensors that are out of date



Design Study

- Evaluate
- Optimize



Design Study

Indicates violation of one or more constraints by the scenario.

Iteration 1
3mm
10mm
13mm
1.89217 N/m ²
35.1416 g

Indicates current scenario and all scenarios that are not optimal or faulty.

Iteration 2
3mm
1mm
13mm
2.5419 N/m ²
47.7285 g

Indicates failure to rebuild the scenario.

Scenario 2
4.000000
1

Design Study

Scenario Color

Green
(available only for
Optimization Design Study)

Meaning

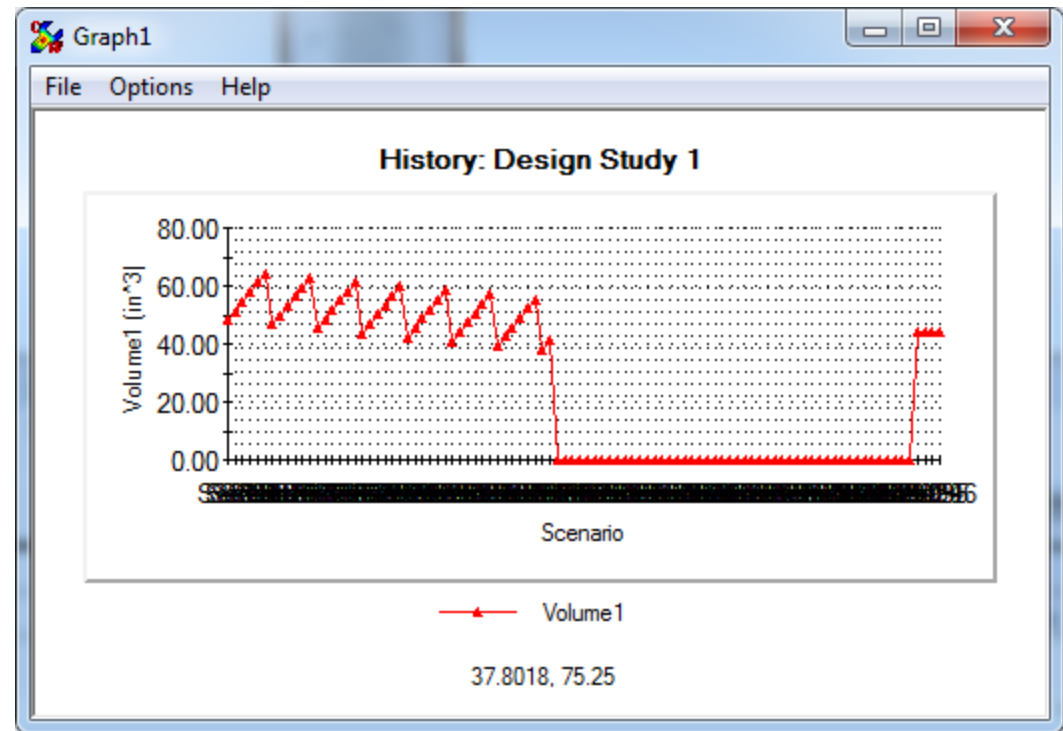
Indicates the best or optimal
scenario.

Example

Optimal
1.114716mm
8.846573mm
11.072571mm
2.06797 N/m ²
33.8779 g

Trends

- A Design History graph can be plotted



Sensors in Design Studies

	SolidWorks Standard		SolidWorks Professional		SolidWorks Premium		SolidWorks Simulation Professional		SolidWorks Simulation Premium	
	Evaluation	Optimization	Evaluation	Optimization	Evaluation	Optimization	Evaluation	Optimization	Evaluation	Optimization
Mass Properties	➔	➔	➔	➔	➔	➔	➔	➔	➔	➔
Dimension	➔	➔	➔	➔	➔	➔	➔	➔	➔	➔
Simulation Data					➔		➔	➔	➔	➔