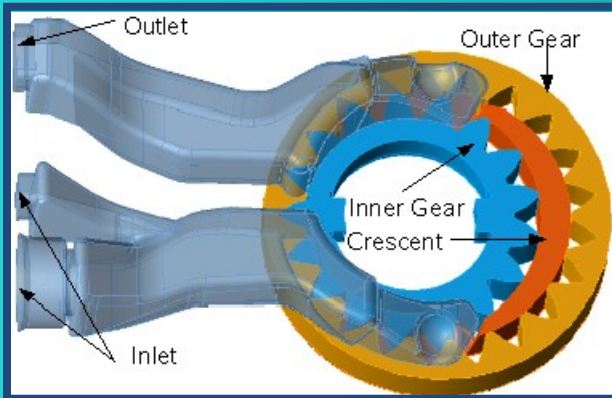


# PumpLinX

Designing Better Pumps

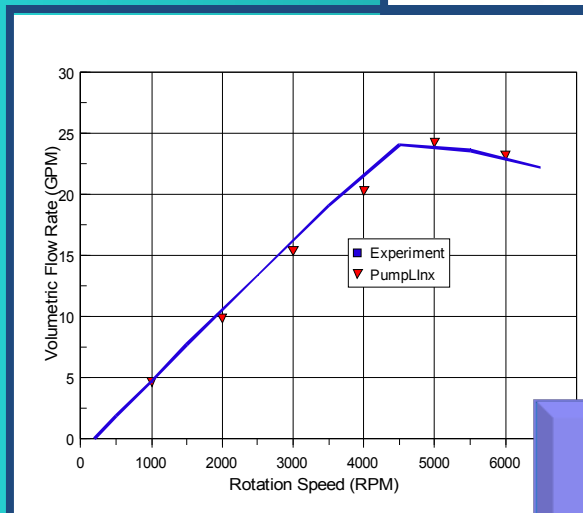
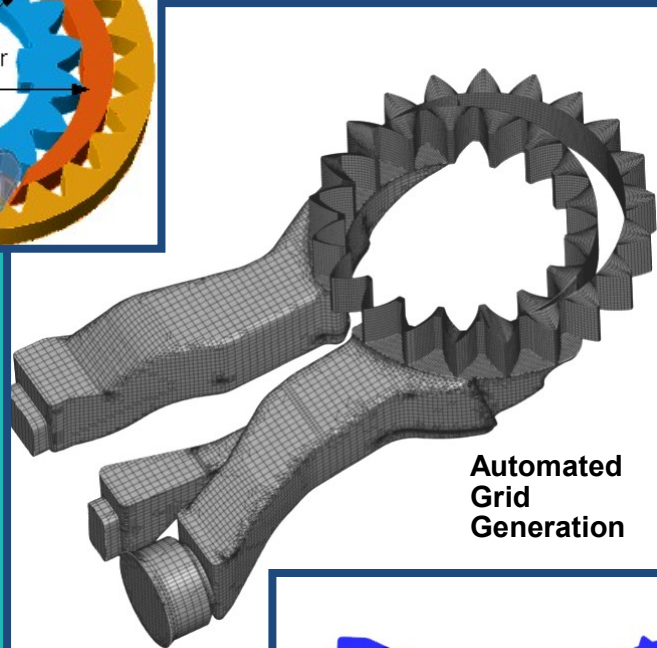


## Crescent Pumps & Motors

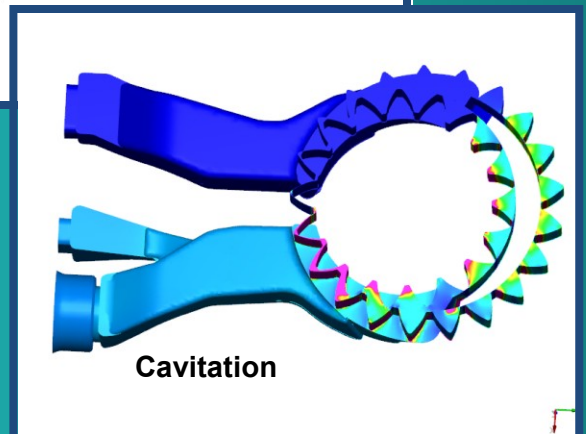


Generate a Grid in  
Minutes ...

... and a Solution  
Before the End of  
the Day



Predictions that match  
experiments

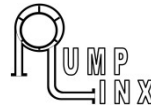


### Optimize the Design

- Reduce Cavitation
- Improve Efficiency
- Reduce Noise & Vibration
- Reduce Pressure Ripple
- Accelerate Development
- Extend Life



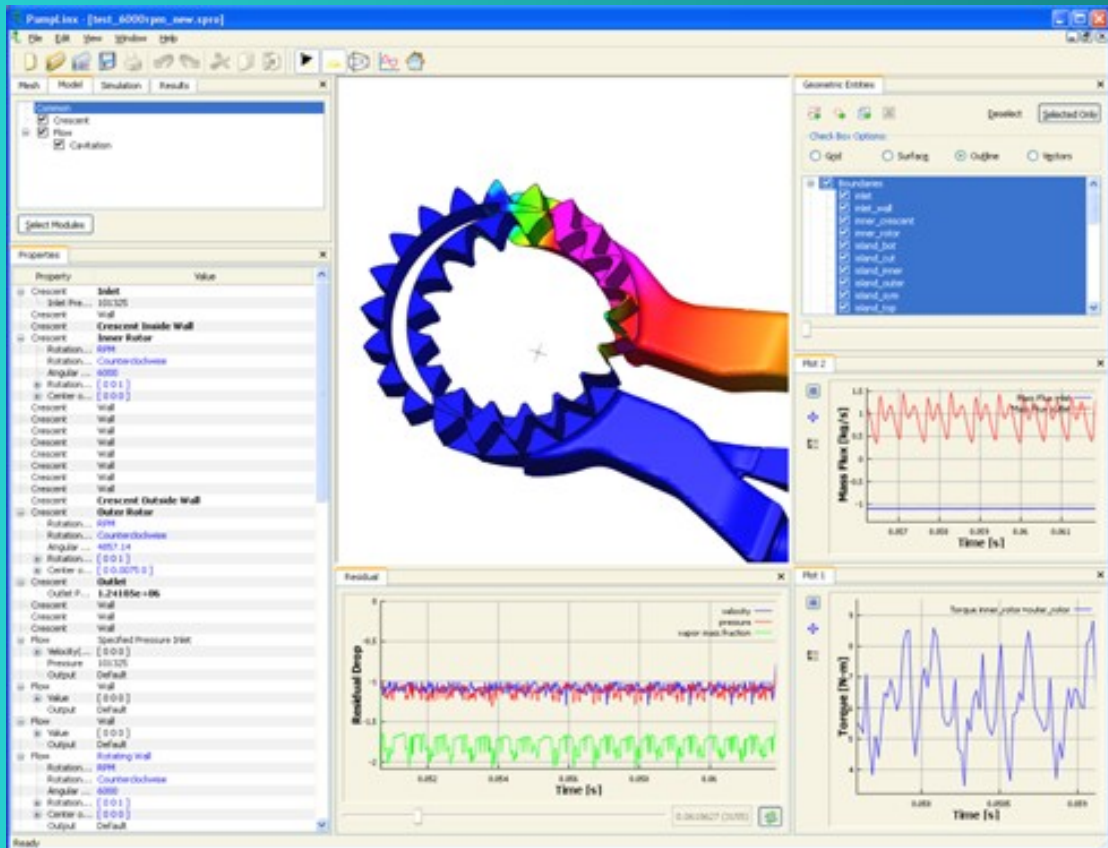
**Simerics**  
TECHNOLOGY BY DESIGN



**PumpLinx**  
DESIGNING BETTER PUMPS

## Crescent Pumps & Motors

**PumpLinx is a Virtual Test-bed**  
Predicts Flow, Pressure, Cavitation & Loads



### PumpLinx Discriminators:

- Includes aeration, cavitation, and liquid compressibility
- Provides fast and easy automated grid generation
- Ease-of-setup and execution
- Fast calculation speed
- Excellent accuracy
- Able to model micron scale tip leakage
- Superior treatment of rotating-sliding interfaces

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