

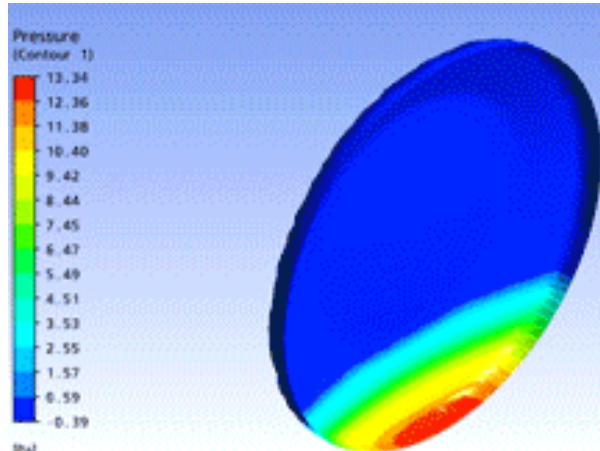
Our Mission:

To provide world class, high quality, and timely mechanics services both analytically and experimentally.



Portable Pulsatile Pump (PPP)
in catheter lab

Computational Fluid Dynamics



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Medical Implant Mechanics LLC

We Know Mechanics

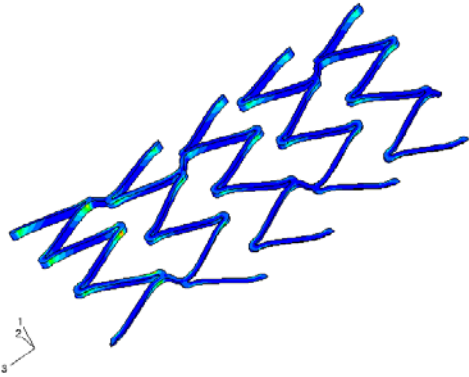
Analytically and Experimentally



Timely And Reliable Medical
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**Theoretical, computational
and experimental Mechanics**

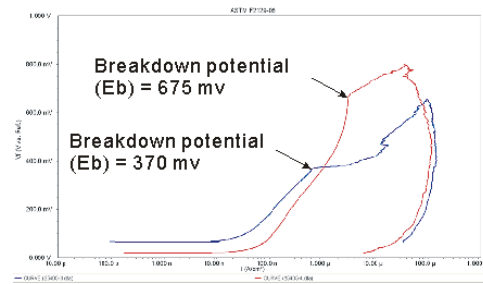


Nonlinear Finite Element Analysis, CFD, Simulated Use, Customized Mechanical Testing, and a variety of renovated pulsatile pumps for implant devices such as:

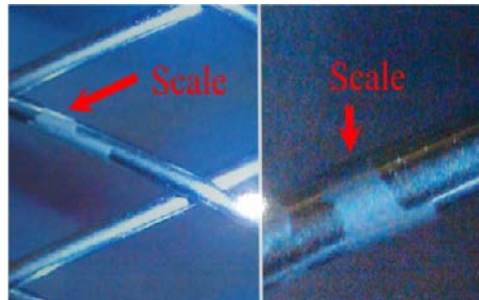
- Stents
- Filters
- Stented Grafts
- Heart Valve
- Transcatheter Valve
- Left Ventricle Assistance Devices
- Heart pumps
- Orthopedics Products

Our extensive FEA and CFD expertise are integrated with our knowledge of material and product development that can help you gain the confidence before actual prototyping. Our team can support your R&D need in the areas of simulated use and durability.

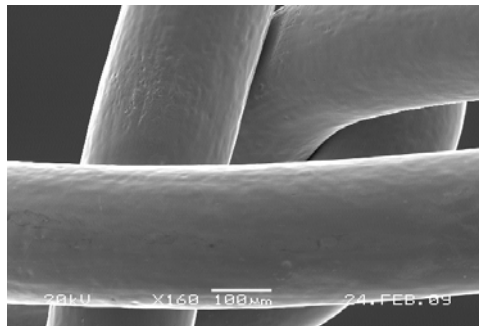
**Nitinol wire processing,
characterization, and testing**



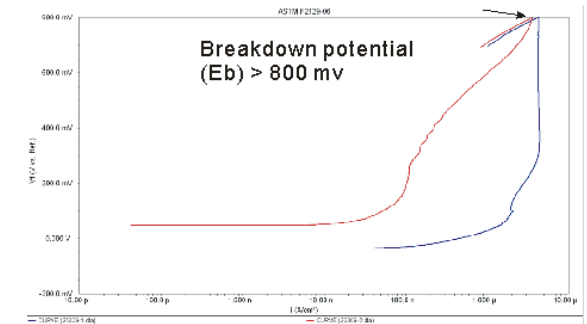
Surfaces (Below) with poor corrosion resistances before process.



Processed surfaces (below) show



**Medical Use Fabrics, thin films
clinically accurate models**



excellent corrosion resistances.

Fabrics tailors to your need



Call us if you need expert help in the following areas:

- *Mechanical properties of materials*
- *Nonlinear FEA and CFD*
- *Experimental mechanics including device and material fatigue*
- *Feasibility and Durability*
- *Pulsatile Pumps*
- *Nitinol wire product processing and OEM*
- *Medical use Fabrics*
- *Simulated use system with clinically accurate models*