

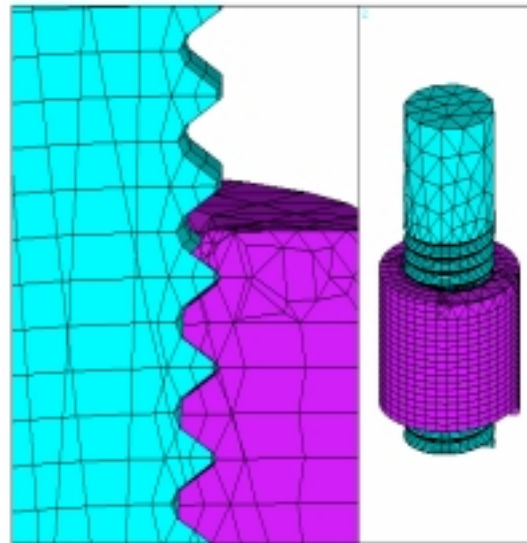
*We help you solve your engineering problems with over 20 years of engineering experience backed by the best engineering analysis software available.*

### *Finite Element Analysis:*

*Linear Static Stress  
Modal  
Transient Dynamic  
Frequency  
Harmonic Response  
Non-linear Static  
Non-linear Transient  
Design Optimization*

### *Motion Analysis:*

*Kinematic Motion  
Dynamic Motion  
Collision & Impact*



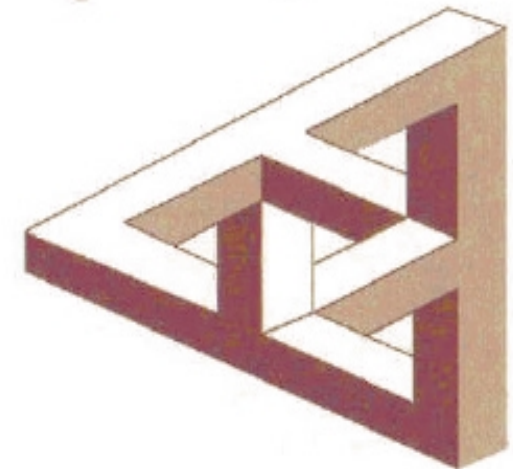
*Contact us at:  
Ellsworth Associates Inc.  
10255 West Ellsworth Rd.  
Ann Arbor, Michigan  
48103*

*(734) 747-6252  
(734) 747-9200 fax*

*or visit our website:*

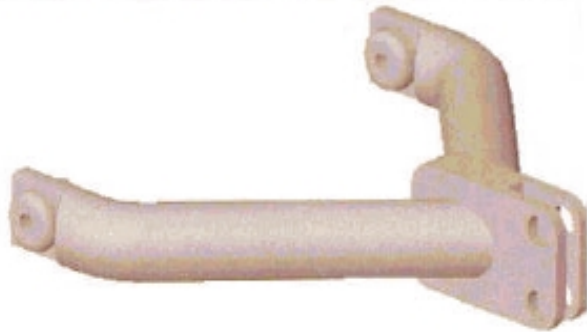
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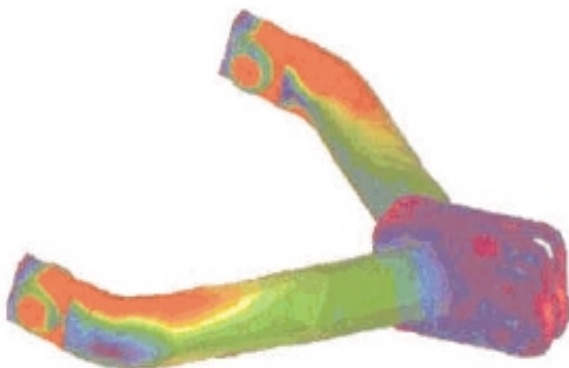


*Computer  
Aided  
Engineering  
Services*

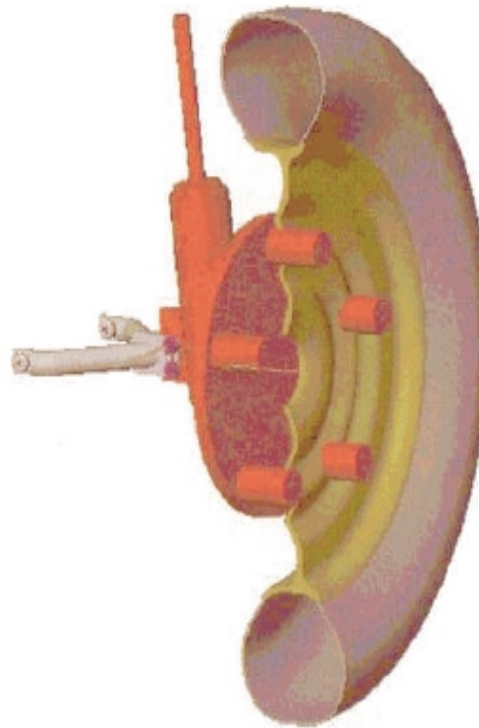
## **Finite Element Analysis**



*We can quantify the structural integrity of your product design. First, we will analyze your part or assembly for strength and durability. Next, we will provide you with results of this analysis to help you make informed decisions. Finally, we will help you optimize your design. The optimized design will be the strongest, lightest, and safest.*



*Ellsworth Associates can provide the appropriate analysis solutions for your design needs.*



*We can also coordinate your testing, development, and prototype build needs.*

## **Motion Analysis**

*We provide three dimensional motion analysis. We can model movement from kinematics to full dynamic response motion analysis.*

