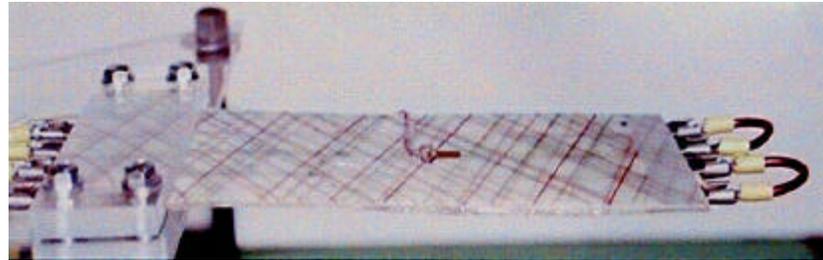
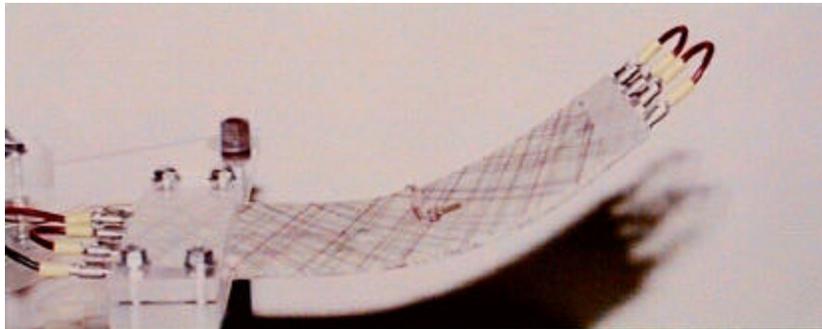


# SHAPE MEMORY MATERIALS

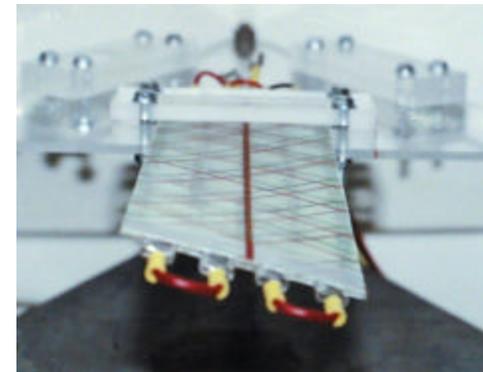
## SHAPE MEMORY ALLOY (NITINOL)



Inactive



Active - Bending



Active - Twist

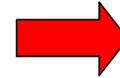
# SHAPE MEMORY POLYMERS



**BEFORE  
TRANSFORMATION**



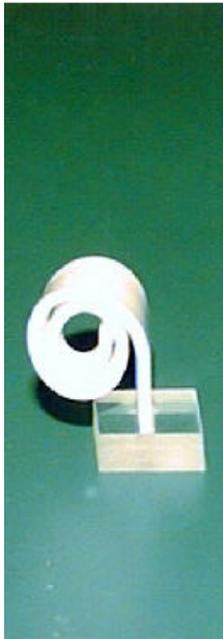
**DURING  
TRANSFORMATION**



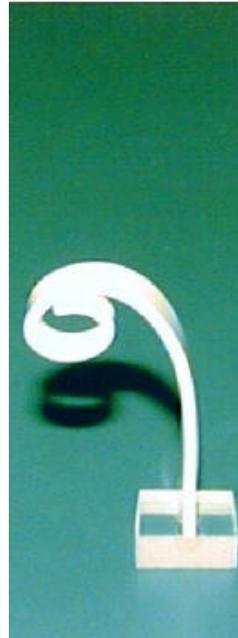
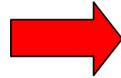
**AFTER  
TRANSFORMATION**



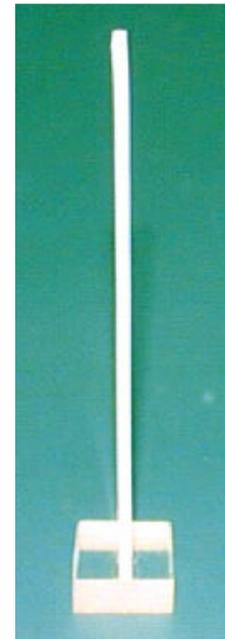
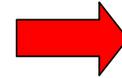
# SHAPE MEMORY POLYMERS



**BEFORE  
TRANSFORMATION**



**DURING  
TRANSFORMATION**

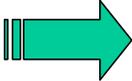


**AFTER  
TRANSFORMATION**



# SHAPE MEMORY POLYMERS



1. Light weight
2. High energy dissipation
3. Uniform composition  structurally strong
4. Low cost

