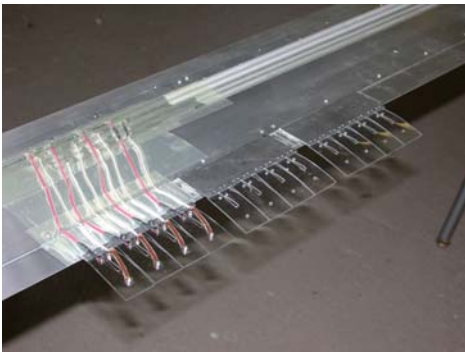


# **SMA-Based Tracking Tabs for 1/Rev Vibration Reduction**

*Active in-flight tracking adjustments use discrete electric actuation of spanwise-mounted two-position "digital tabs". System promises lower vibration, maintenance, life-cycle costs.*

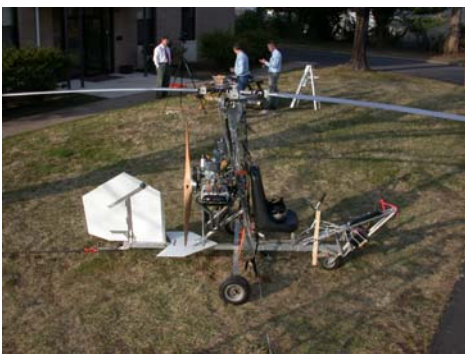


**Pre-prototype test article installed on blade**



**Demo unit with Kapton/metal base material**

*System tested on full-size rotor at 230 RPM demonstrated both actuation and tracking capability*



**Autogiro test platform with installed tabs**

*Compact, low power actuation design has yielded hardware suitable for retrofit onto the existing Army inventory.*



**1/Rev tracking effectiveness captured using in-plane video**