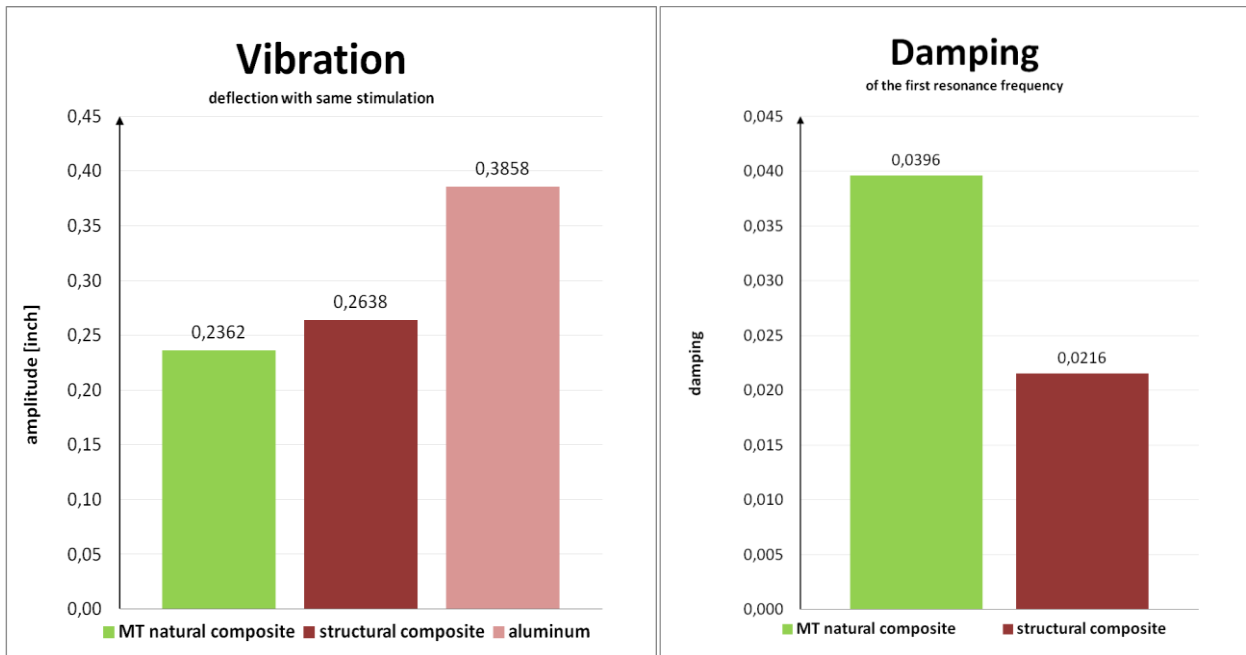


**Vibration comparison between
MT natural composite vs. aluminum and structural composite**

The test compares the deflection of the propeller blade tips by stimulation of the first resonance frequency with an acceleration of 1 g. The left chart below shows the deflection of all 3 blades. Another result of the test is that the damping of the first resonance frequency of the structural composite blade is more than 40% less than the damping of the MT-Propeller blade resulting in higher vibration and possible limitations. This outcome is pictured on the right side.



**Comparison between MT natural composite vs. OEM structural composite propeller
on the TBM900**

