

Generate Vibrations	<p>Piston driven Vibration</p> 	<p>Speakers</p> 	<p>Solenoid</p> 	<p>Shaker Table</p>
Measure Vibrations	<p>Accelerometer</p>  <p>DE-ACCM3D 3 axis accelerometer board</p>	<p>Water in a cup</p> 	<p>Optical with a grid</p> 	<p>Ultrasonic sensor</p> 
Display the data	<p>Laptop</p> 	<p>Just a monitor displaying data</p>	<p>RGB Lighting(Lights change with vibrations)</p> 	<p>Tablet/website/a pp. Wirelessly send the data</p> 
Mobilizing/Shipping Unit	<p>Current box design</p>	<p>Split into 2 boxes</p>	<p>Shrink the electrical box. Split the unit in the middle</p>	
Reduce Coupling	<p>Cut systems in half</p>	<p>Increase mass</p>	<p>Separate tables</p>	<p>Out of phase</p>
Reducing the weight	<p>AL-->plywood/acrylic</p>	<p>Swiss-cheesing</p>	<p>Reduce size of the whole system</p>	<p>Different PSU</p>