

SpectraQuest introduces the Bearing/Balancing Fault Simulator

- *Hands-on system specifically designed to perform research and controlled studies on bearing faults and unbalance*
- *Portable, robust, cost-effective balance and bearing vibration trainer*
- *Ideal for teaching multi-plane balancing with center hung / overhung rotors*
- *Study bearing fault frequencies both further away from, and closer to multiples of the shaft rotational speed*
- *Develop signal processing techniques*
- *Various application specific option kits and combination packages are available*



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SpectraQuest introduces Bearing/Balancing Simulator (BBS), an ideal tool specifically designed to demonstrate and support the study of bearing faults and unbalance under controlled conditions. It is a portable, robust and cost-effective training tool to learn multi-plane balancing and bearing defects. The BBS is a variable speed machine that can be used to generate each type of fault individually or in combinations, providing a stable platform for study. Since bearing related problems are very common, it is essential to have a thorough understanding of the associated fault signatures that occur under a variety of operating conditions. The same can be said for unbalance, where a properly balanced machine will save a factory on machine down time, replacement parts, inventory, and energy consumption. The BBS provides a basic setup for performing experiments and learning vibration signatures of unbalance and bearings malfunctions.

The BBS provides a basic setup for performing experiments and learning vibration signatures of unbalance and bearings malfunctions. Detailed investigation of particular and more advance vibration phenomena will require additional attachments and fixtures which are available through optional kits. It also comes with a training book and complete operations manual & videos to assist with exercises and learning. Various high value combination packages are also available to fit customer requirements. Please download the brochure at <http://www.spectraquest.com/resources/downloads/> for more details.

About SpectraQuest

SpectraQuest is a leading developer and manufacturer of turnkey systems and products for enhancing reliability of rotating and reciprocating machinery. These products are ideal platform for research and education in machine fault diagnosis/prognosis, teaching dynamics and vibration courses, and wind turbine drivetrain studies. The distinguishing feature of SpectraQuest is a wide variety of Machinery Fault Simulators and Custom Designed Test Rigs along with the most accurate diagnostics system, that are sold in over forty five countries around the world. Further information is available at <http://www.spectraquest.com/>.

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