

Company Overview

RELIABILITY
MEETS **INNOVATION**



Vibration Control | Shakers | Portable DAQ | Test Development



VibrationVIEW Software

VIBRATION CONTROL

Set up and safely control vibration shaker tests using any VR hardware and generate customized reports. VibrationVIEW is an advanced **vibration control and analysis software** that helps to solve troublesome issues in vibration testing.

SOFTWARE FEATURES

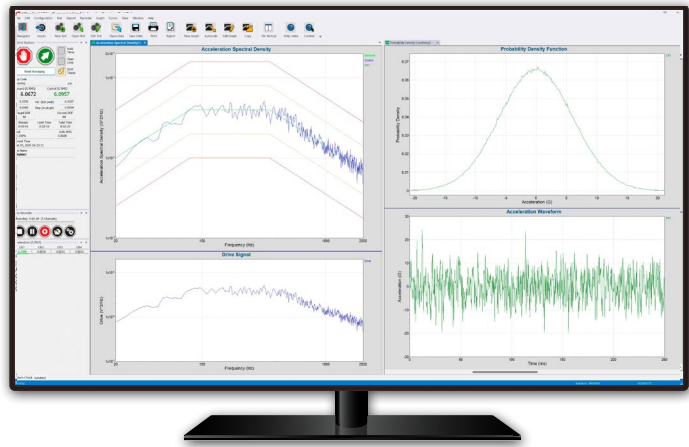
Sine	Random
Sine-on-Sine	Random-on-Random
Sine-on-Random	Transient Capture
SRTD	Kurtosis®
Recorder	Shock

Shock Response Spectrum
Field Data Replication
Fatigue Damage Spectrum
Instant Degrees of Freedom®

TEST TYPES

3-axis | Buzz, Squeak, and Rattle (BSR) | DC Offset | Multi-loop Phase Control | Dual Loop | Environmental | Four Poster | IEEE - 344 | Rotary | Shake and Bake | Single-axis | and more

Explore our software at vibrationresearch.com/software/vibrationview



Compatible With All Shakers.

VIBRATION CONTROLLERS

Our premium controllers are **compatible with all shakers**. They are built with a standard hardware platform and include pre-shipment testing and a hardware warranty for ensured reliability. **Each I/O box can be used independently on separate shakers or together in a single stack for jobs requiring a higher channel count.**



VR9700

Up to 128 channels
Up to 256kHz sample rate
Control up to 50,000Hz
2 outputs
104,000 lines of resolution

VR10500

Up to 512 channels
Up to 256kHz sample rate
Control up to 50,000Hz
4 outputs; multiple shakers
104,000 lines of resolution

ObserVR1000

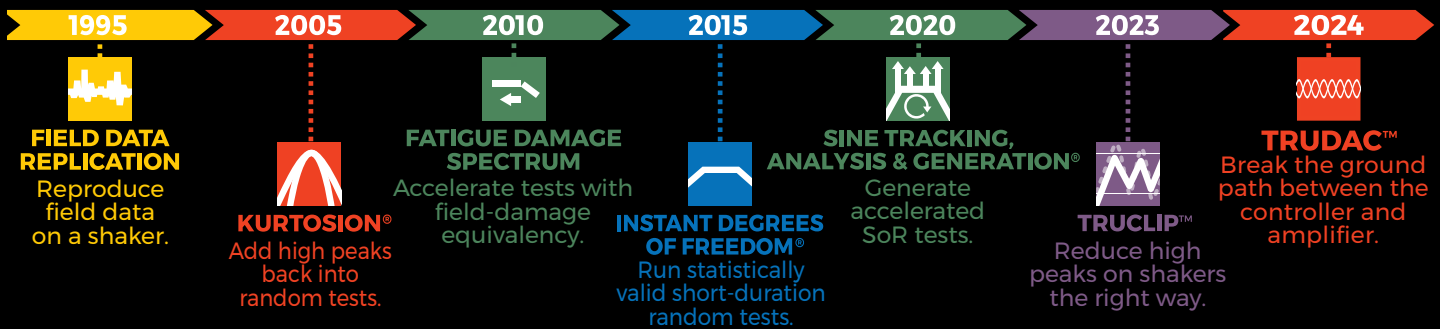
Up to 128 channels
Up to 128kHz sample rate
Control up to 20,000Hz
1 output
26,000 lines of resolution

Explore our hardware at vibrationresearch.com/products

We Develop. You Advance.

INNOVATION NEVER STOPS

Reliability Meets Innovation is a promise we intentionally build on every day. We listen to customer feedback and make it our priority to manufacture technology that is **easier, more intuitive, and quicker** to operate because we understand that your time is valuable. VR launched its proprietary testing software in 1995 and now offers five innovations - and we are not done yet.



Explore our innovations at vibrationresearch.com/innovations

Turn-key Solutions.

SHAKER SYSTEMS

VR offers electrodynamic shaker systems designed and manufactured as a turn-key solution consisting of a shaker, a matched power amplifier, and a vibration controller.

- 13F-lb to 600F-lb | 6kg-F to 275kg-F
- Includes linear and digital power amplifier
- Typically up to 4,500Hz | 14,000Hz available
- Larger shakers & multi-axis solutions are available

ALREADY HAVE A SHAKER?

Update any existing shaker by **replacing your controller** with a VR controller for better testing results. Ask about our controller trade-in discount!



HARDWARE SYSTEM COMPATIBILITY

Electrodynamic	Mechanical	Piezo-electric
Servo-hydraulic	Drop Shock	Linear

Accelerometer Calibration Packages Available

Explore more at vibrationresearch.com/shakers



ObserVIEW Software

TEST DEVELOPMENT

View, edit, and analyze waveforms from **recorded or live data**. ObserVIEW is a powerful and efficient software that includes specialized modules for data analysis and test generation.



SOFTWARE FEATURES

Import up to 50GB of test data from any DAQ hardware (even non-VR).

Live Analyzer
Order Analysis
FFT Analysis
Triggering
Math Traces

Multimedia Sync
STAG
Modal Testing
Fatigue Damage Spectrum
Text File Import

Advanced Analysis
Time Waveform Editor
Octave Analysis
Shock Response Spectrum
GPS

ANALYSIS LICENSE TYPES

Basic | Advanced | Order Analysis | FDS | SRS | Modal Testing

Explore each module at vibrationresearch.com/software/obserview



Autonomous Smart Setup.

PORTABLE DAQ & ANALYZER

The ObserVR1000 is a compact, battery-powered device for **recording vibration data** with the capability for video, tachometer, audio, and GPS connections.

OBSERVER1000 DAQ

Up to 128 channels
128kHz sample rate
TEDS transducer interface
WiFi connection 802.11 b/g/n
GPS option
6+ hour battery life
One-year warranty

VR MOBILE

Instantly connect to the ObserVR1000 using a smart device and the VR Mobile application. **Control the recording and stream** up to 16 channels/128kHz to the hardware's SD card or a PC.



ALTERNATE HARDWARE

All VR hardware can be used for signal analysis including higher channel counts up to 256kHz sample rate.

Explore more at vibrationresearch.com/products/vr-mobile

Put Us To The Test

DARE TO COMPARE

Is your current controller out for calibration, not working, or unable to perform a test? There are several ways to take VR products for a test drive. Plus, VR software is **activated via an electronic key** making it easy to try any module.

30-DAY TRIAL

Whether it is a brand-new system or a replacement controller, we will let you try our **fully enabled** hardware and software for 30 days.

RENTAL

Need more time? You can rent for **short-term needs**. VR will apply up to two months of any software rental to the final purchase price.

DEMONSTRATION MODE

Download the **no-cost** demo installation files to set up tests, view/playback files, analyze data, and more.



BRAND X

Reliable Service. Unlimited Support.

WE DO NOT STOP AFTER INSTALLATION



UPGRADES & SUPPORT AGREEMENTS

An upgrades and support agreement is an **insurance policy** for your software and hardware. **Invest in your team's ability to perform** effective vibration testing by providing it access to the latest software, preventative maintenance, and on-demand support.

A premium plan includes options such as lifetime **hardware warranty**, **calibration** services, software **updates**, technical **support**, **loaner** hardware, **secondary unit** key, **training** resources, and advanced **analysis tools**.

LIFETIME WARRANTY

VR support comes straight from our **USA headquarters** in Michigan, where all our development and production happen. Hardware ships with a 3-year warranty that can be extended for the lifetime of the product through the continual renewal of an upgrades and support agreement.

Learn more at vibrationresearch.com/upgrades-support-agreement

Become the Go-to Vibration Expert

CONTINUING EDUCATION

Vibration testing is a unique industry and whether examining basic theory or advanced techniques, a collective resource for vibration test engineers can be valuable. VR is **committed to providing valuable content** that is useful to vibration test engineers in all stages of product development.



USER TRAINING SEMINARS vibrationresearch.com/training

Our seminars are ideal for engineers, test technicians, application engineers, and others who seek to understand the **basics** of VibrationVIEW/ObserveVIEW software as well as the **advanced** applications and features.



VR LIBRARY vibrationresearch.com/library

- Articles
- Online presentations
- Calculators and tools
- Experiments and papers
- Quick tip videos
- Technical notes



VR UNIVERSITY vru.vibrationresearch.com

VRU was founded with the goal of disseminating vibration testing theory, insights, and practices within the industry. All **courses are free**, and additional features such as quizzes are available with an account.



VR LIBRARY



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