



REAL LIFE ODS

The Future Of **Vibration Analysis** has arrived



DragonVision™ Real Life ODS is software that uses a **Motion Magnification** method that allows the user to create maps with data collected by any accelerometer. These signals allow you to precisely visualize the vibration patterns on static photos of your actual equipment accordingly.

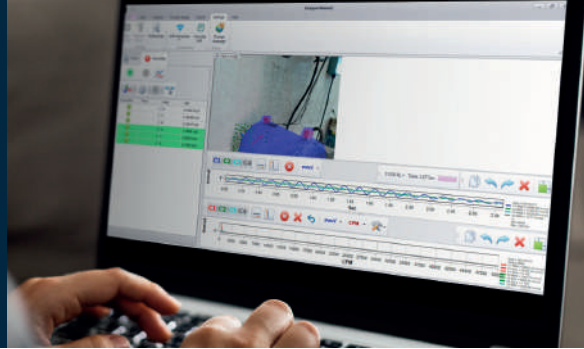


DragonVision™ Real Life ODS uses a reference accelerometer signal and mapping accelerometer that measures different regions of the machine.

This way is possible to generate **motion magnification** maps amplifying the movement detected by the accelerometers.

DragonVision™ Real Life ODS allows you to use the well known power of the accelerometers to **enhance vibration** in ways that the human eye can not see.

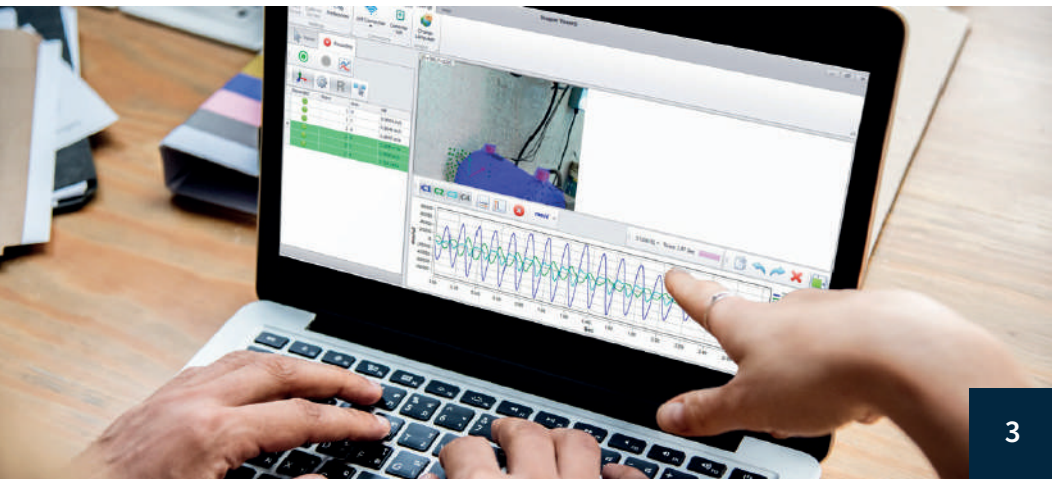
Easy to Use Real Life ODS



First, load the signals & photos of the equipment and select the measured points. Then, DragonVision ODS will apply bandpass filters to the spectrum to eliminate noise.

Finally, the software creates **2D amplified vibration maps** using data from time waves by applying computer vision algorithms to the image.

The resulting map shows **small, and high frequency displacements and deflections** that were not visible to the human eye. **Virtually, making a real life ODS.**



What kind of failures can I detect using Motion Magnification?

Motion Magnification

of the data on real equipment will save time, reveal the system low frequency and phase problems.



The more measuring points you feed into the software, the amplified vibration map will have higher resolution and you will be able to see more details.

With the help of any accelerometer, instead of a video recording, you can detect **up to 15,000 Hz** in any axis with very high precision. With this, you will be able to detect bearing issues, gearbox problems and many, many more.

DragonVision™ can import data from third party accelerometers or any vibration sensor using **CSV, TXT, ASCII y ANL** file formats.

The best software and hardware combination can be found with **Erbessd Instruments**. Now you can acquire the kit including a **monoaxial accelerometer** and a **WiSER 3X triaxial wireless sensor**.



¿Where can I find
DragonVision™ Real Life ODS?



Technical Requirements

CPU (Processor):

Inter Core i3 or above

RAM (System Memory):

4 GB minimum

Operating System:

Windows 10 (64 bits)

Hard Drive:

2GB free

**Internet access
 needed for activation**

Compatibility

USB:

For wired interface use

WiFi / Bluetooth:

For wireless sensor use

Languages:

Spanish and english

Output file:

mp4

Image input:

jpg, bmo y png

Input vibration files:

CSV, TXT, ASCII y ANL

You can save project files

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