

7126 plus

On-demand analysis of machine vibrations with just a single click

The safety monitoring system VIBROCONTROL 6000™ continuously monitors machine vibration, automatically logs all critical changes and trips the machine if the defined limits are violated. It is one of the most advanced systems for continuous machine safety monitoring on the market.

The safety system alarm logs enable the operator to determine if a potential machine fault is developing and, if necessary, initiate additional diagnostic vibration measurements to perform more in-depth analysis.

Traditionally, the operator chooses to do the analysis using either an online condition monitoring system or an offline portable vibration measuring instrument.

But what to do if the operator has neither of these systems nor the experience in using them?

If a machine is equipped with the safety monitoring system VIBROCONTROL 6000™ from Brüel & Kjær Vibro, all that is needed now is a single mouse click to record, evaluate, save and, if necessary, transfer the current vibration behaviour of the machine to a file.

7126 plus is a software package for the VIBROCONTROL 6000™, which now enables snapshots to be taken of the current vibrational behaviour of the machine.

7126 plus is an add-on to the configuration software 7126 for the communication and monitoring modules of the VIBROCONTROL 6000™ system. Snapshots of the vibrational behaviour of machines can be taken in the form of e.g. FFT spectra, run-up/coast-down curves (Online Bode Plot) or the shaft centre curve (Online Orbit Plot).

All these are indispensable tools for the operator to determine the cause of a vibration fault and initiate the appropriate action to address it.

Thanks to the intuitive user interface of this unique software add-on, even users with no experience in vibration measurement can create exact analyses of the vibrational condition of the monitored machine.

Operation can take place directly on-site via a PC that is connected with the VIBROCONTROL 6000™. Alternatively, the data can also be accessed remotely.

With the diagnostic software **7126 plus**, machine faults and other changes can be identified early so maintenance can be planned ahead of time and costly and time-consuming downtime and repairs due to a catastrophic failure can be avoided.

Specification 7126 *plus*

PC operating system

Windows™ 2000
Windows™ XP
Windows™ 7 (32 bit and 64 bit)

PC Hardware

CPU: 1GHz or higher
Intel Pentium 4 or comparable
RAM: Minimum 100 MB free RAM
LAN (Ethernet): 10 Mbit minimum
Graphics card: min. 1024 x 768 pixels

Requires installation of 7126 Safety Monitoring Workstation

Features

FFT spectrum

Used for fault diagnosis by evaluating the amplitude and frequency of the vibration.

- Up to 5 kHz with a resolution of 1600 lines
- Cursor functionality and display
- Export to a CSV file

Run-up/coast-down curves (Online Bode Plot)

Shows the vibrational behaviour during run-up/coast-down of the machine to identify resonances and perform diagnoses.

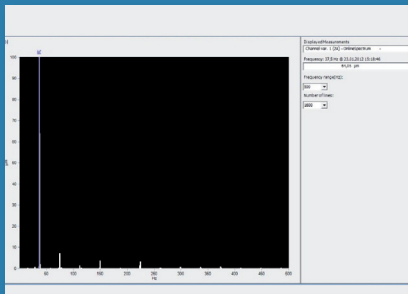
- Cursor functionality and display
- Export to a CSV file

Shaft centre curve (Online Orbit Plot)

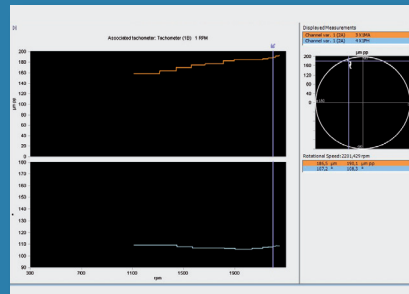
Shows the kinetic movement of the shaft centerline in a journal bearing. Depending on the speed of the machine and the machine status, you are presented with information on unbalance, alignment, resonance and more.

- Cursor functionality and display
- Measurement 1st or 1st and 2nd harmonic
- Export to a CSV file

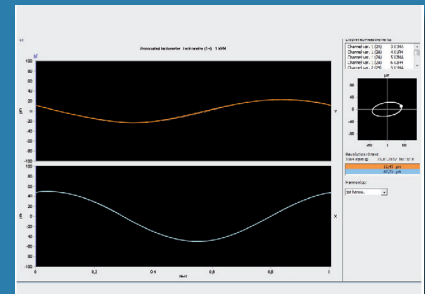
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FFT spectrum



Run-up/coast-down curves
(Online Bode Plot)



Shaft centre curve
(Online Orbit Plot)

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