



VibroScope

Technekon provides a variety of powerful software applications for optimizing plant operations including mechanical condition monitoring of rotating machine.

VibroScope application is destined to collect and keep machinery condition information for further analyzing. It allows to control equipment condition and to implement all necessary vibration monitoring inspection of the plant equipment health.

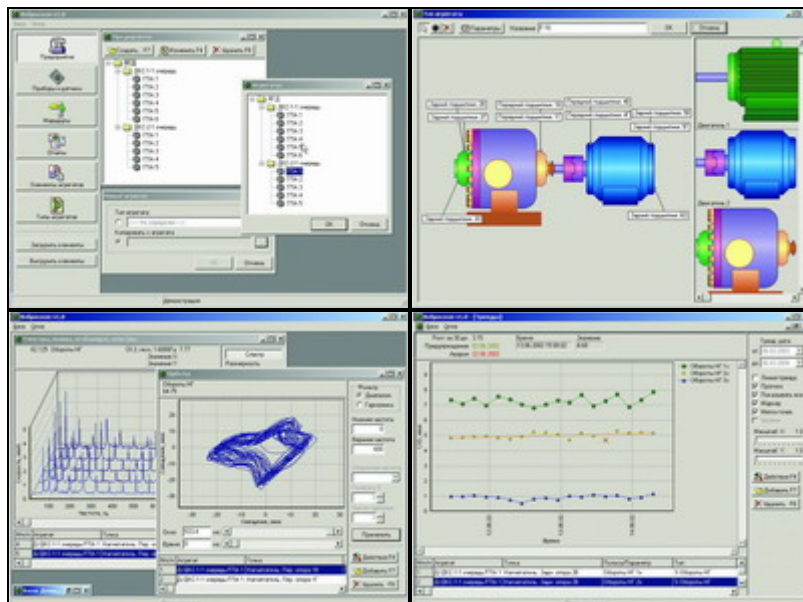
Technekon software application VibroScope allows all personal in your facility – from the end user who logs daily findings to top management concerned with the business impact of machinery reliability – a way to stay informed of machinery health. A wide variety of graphical displays and reports provides users a perfect instrument of machinery condition data visualization. VibroScope manages your entire reliability program by integrating all users and technologies into a single machine history. As a result, possessing a comprehensive evaluation and communication of the machinery health, you are able to determine all equipment malfunctions in a proper time, efficiently schedule maintenance actions and repairs so the proper business decisions regarding production can be made.

The software application VibroScope enables:

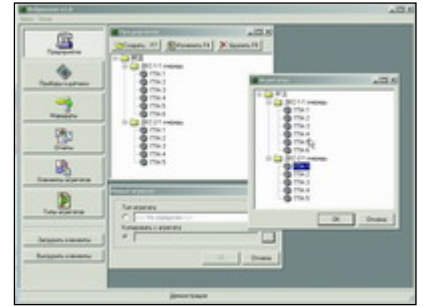
- Efficiently schedule maintenance actions of the all plant equipment based on the mechanical condition information
- Determine machine malfunctions in early stages and manage their evolution by the powerful visual analysis tools for spectrum, waveforms and trends
- Create free structure of your plant using internal library of machine elements or by adding your own ones
- Create the sequence of the vibration measurement points in your plant structure for transferring to Technekon vibration measurement collectors so you can obvious and easy collect all vibration data for further analyzing
- Prepare all necessary reports which are fully customizable and create new report formats

Technekon software application VibroScope is fully supported with the following vibration measurement collectors:

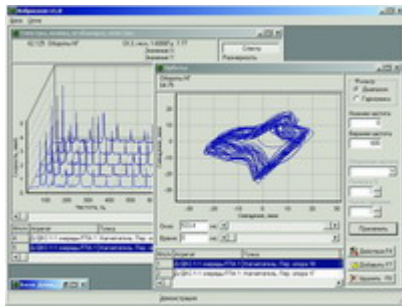
- Online systems – STD-3168 and STD-2060
- Offline instruments – STD-510c and STD-500



With VibroScope the user can set up a structured database that matches the organization of your plant, with machines ordered into any number of sub-divisions within each plant. The library of the plant elements can be added by the user. Thus the plant structure can be fully customizable created for further using in machinery condition monitoring.

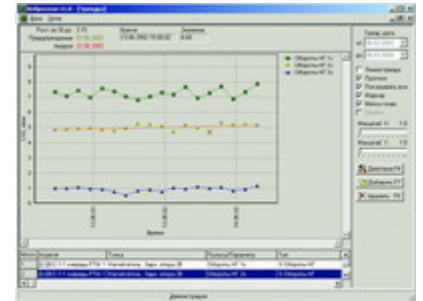


For more correct offline machinery condition monitoring by the Technekon portable vibration data collectors (STD-510c and STD-500) the application allows to set up sequences of the vibration measurement points and transfer them from PC to data collector and then transfer back with measurement data. It enables to get proper vibration information from the definite machine.



VibroScope application receives the following vibration measurement types: velocity, displacement, acceleration and enables to process this information by the spectrum analyzing (frequency spectrum, waveform, envelope, envelope frequency spectrum, cepstrum). For the convenience and more correct vibration measurement data analyzing the user can change axis scale so he select required frequency bands and appropriate signal level. During using 3-D visualization it is possible to change diagram width and height so user can get obvious and clear example of machinery condition changes. It enables to determine machine malfunctions in early stages.

You can efficiently schedule maintenance actions and repairs of you plant equipment by the VibroScope capability for creating and analyzing of the vibration time waveform and also the application informs you about predictable dates of warning and alarm.



For simplification of technical documentation conducting of you plant equipment condition the VibroScope application allows edit and generate various vibration measurement reports. All reports can be printed and saved as file for keeping or modifying.

Technekon, the Russian leading developer and manufacturer of vibration monitoring and protection systems since 1992, suggests you to get acquainted with the new unique equipment presented first time in the word market. The new system has been created due to a deep history of projects for such companies, as Gazprom, Siemens, Thales and our world class engineering resources possibilities to offer the newest technologies.

ACU-VIB Electronics
Unit 14, 22 Hudson Avenue, Castle Hill, NSW 2047 Australia
Tel: 02 9680 8133, Fax: 02 9680 8233
www.acu-vib.com.au